s				MERCIAL ITEMS		EQUISITION NU		<i>c</i>	PAGE C	L 60
2. CONTRACT NO		R TO COMPLETE E		, 24, & 30 4. ORDER NUMBER	PR	-OAR-19	-0082	5. SOLICITATION NU	1 1	3
2. CONTRACT NO EP-W-16-	015		3. AWARD/ EFFECTIVE DA 07/09/2	NOT THE PROPERTY ARRESTS BUT IN THE PROPERTY AND	41			(Septi) isotoobriganietooogijateo. Uzeevooldenjag: ee2115ee	v. Color Strippe and	6. SOLICITATION ISSUE DATE
	R SOLICITATION RMATION CALL:	a. NAME Michae	el Fox			b. TELEPHONE 202-564		Environ Engloves Consider Environ	ls) 8. Offer ET	DUE DATE/LOCAL TIME
9. ISSUED BY			CODE	HQAD	10. THIS ACQ	UISITION IS	X UN	IRESTRICTED OR	SETASIDE	E: % FOR:
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11. DELIVERY F	OR FOB DESTINA-	12. DISCOUNT TERM	IS		□ 120 TUI	S CONTRACT IS	: ^	13b. RATING		
MARKED  SEE SCH					RAT	ED ORDER UN AS (15 CFR 700)	DER	14. METHOD OF S		□ RFP
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17a. CONTRACTO	OR/ CODE	038086125	FACILIT	Y		T WILL BE MAD			CODE	RTP FMC
WOOD ENVIRONMENT & INFRASTRUCTURE SOLUTIONS, INC. Attn: JOSEPH FARRELL 751 Arbor Way Ste 180 Blue Bell PA 194221972  (b)(4)				US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711						
TELEPHONE NO.	REMITTANCE IS DIFF	ERENT AND PUT SUC	CHADDRESS IN OFF	ER :	18b. SUBMIT	INVOICES TO A	DDRESS S	HOWN IN BLOCK 18a	UNLESS BLOCK	BELOW
					IS CHE	CKED	SEE ADDE	ENDUM		
19. ITEM NO.		SCHE	20. DULE OF SUPPLIES/	SERVICES		21. QUANTITY	22. UNIT	23. UNIT PRICE		24. AMOUNT
DUNS Number: 038086125 Title: Routine Indeterminate Operating Costs (3001)  This task order is issued in accordance with Tast Order Ordering Procedures and hereby incorporated the base contract terms and conditions by reference. The effective date for performance to commence is July 9, 2019.					h Task orates					
	The Contra	actor shal	l perform	in accordance	with					
	(Use Re	verse and/or Atta	ch Additional Sh	eets as Necessary)						
	NG AND APPROPRI	IATION DATA					2	6. TOTAL AWARD A		ovt. Use Only)
See Sche	TATION INCORPOR	ATES BY REFEREN	NCE FAR 52.212-1,	52.212-4. FAR 52.212-3 AN	ID 52.212-5	ARE ATTACH		DENDA	276.00	☐ ARE NOT ATTACHED.
27b. CONTR	ACT/PURCHASE O	RDER INCORPORA	ATES BY REFEREN	NCE FAR 52.212-4. FAR 52.2	12-5 IS ATT.	ACHED.	ADDEND	DA	☐ ARE	X ARE NOT ATTACHED.
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19. ITEM NO.		20. SCHEDULE OF SUPPLIE:	S/SERVICES			21. QUANTITY	22. UNIT	23 UNIT P		24. AMOUNT
	the Attachr	ment A Statement c	f Work	(5 pages)	and					
	the accepte	ed technical propo	sal an	d cost esti	.mate					
	dated June	11, 2019 (6 pages	) in t	he amount o	f					
	\$286,276.00	o.								
	This is a 7	Time-and-Materials	(T&M)	task order	i i					
	with a tota	al ceiling price c	f \$286	,276.00, wh	ich					
	the Contrac	ctor is not author	ized t	o exceed. T	'he					
	Contractor	exceeds at its ow	n risk							
	mbo total o	ablicated/fundad								
		obligated/funded of is currently \$60,	_							
		lly funded as deta								
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		incorporated (1 pa		ia medaemien	LC D					
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	Contracting	g Officer's Repres	entati	ve (COR) fo	r					
	this task of	order:								
	Macy Taylor	r, (202) 343-9183,	Macy.	Taylor@epa.	gov					
	Alternate (	COR:								
	Melissa Puo	chalski, (202) 343	-9882,							
	Puchalski.N	Melissa@epa.gov								
	The service	es of this order a	re for	severable.						
	TOCOR: Macy	y Taylor								
	Period of A	Performance: 07/09	/2019	to 07/08/20	20					
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32b. SIGNATUI	RE OF AUTHORIZED	GOVERNMENT REPRESENTATIV	E	32c. DATE	32d. PRII	NTED NAME	AND T	TITLE OF AUTH	ORIZED G	OVERNMENT REPRESENTATIVE
					204 FELF					
32e. MAILING A	ADDRESS OF AUTHOR	RIZED GOVERNMENT REPRESEI	NIAIIVE		321. TELE	PHONE NUI	MBER	OF AUTHORIZ	ED GOVER	RMENT REPRESENTATIVE
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38. S/R ACCOL	38. S/R ACCOUNT NUMBER 39. S/R VOUCHER NUMBER 40. PAID BY									
41a. I CERTIF	Y THIS ACCOUNT IS C	I CORRECT AND PROPER FOR PAY	MENT		42a. R	ECEIVED BY	(Print	t)		
41b. SIGNATU	41b. SIGNATURE AND TITLE OF CERTIFYING OFFICER 41c. DATE 42b. RE			ECEIVED AT	(Loca	ation)				
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	42c. DATI							1420. IOIA	AL CONTINUENCE	

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CONTINUATION SHEET	EP-W-16-015/68HERH19F0241	3	3

NAME OF OFFEROR OR CONTRACTOR

ГЕМ NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Accounting Info: 19-20-C-58D5-000A45-2505-1958DC9041-001 BFY: 19 EFY: 20 Fund: C Budget Org: 58D5 Program (PRC): 000A45 Budget (BOC): 2505 DCN - Line ID: 1958DC9041-001 Funding Flag: Complete Funded: \$60,000.00				

### **ATTACHEMENT 1** Statement of Work

Title: **Routine Indeterminate Operating Costs (3001)** 

Wood E&IS, Inc. Contractor:

Contract #: EP-W-16-015

Task Order #: 68HERH19F0241

**Period of Performance:** 7/9/2019 to 7/8/2020

# **EPA Key Personnel**

# Task Order Project Officer (TOPO)/Contract Level Project Officer (PO):

**Taylor Macy** Clean Air Markets Division (OAP/OAR/CAMD) 1200 Pennsylvania Ave., NW Mail Code 6204M Washington, DC 20460

phone: (202) 343-9183

email: macy.taylor@epa.gov

### **Alternate TOPO:**

Melissa Puchalski Clean Air Markets Division (OAP/OAR/CAMD) 1200 Pennsylvania Ave., NW Mail Code 6204M Washington, DC 20460 phone: (202) 343-9882

email: puchalski.melissa@epa.gov

### **Contracting Officer (CO):**

Michael Fox **Contracting Officer** Administrative Contract Service Center 1200 Pennsylvania Ave N.W. Mail Code 3803R Washington DC 20460

phone: (202) 564-2550 email: fox.michael@epa.gov

#### STATEMENT OF WORK

#### I. INTRODUCTION

The Clean Air Status and Trends Network (CASTNET) is a long-term environmental monitoring network that measures changes in ambient air quality and assesses atmospheric deposition over broad geographic regions of the U.S. (<a href="https://www.epa.gov/castnet">https://www.epa.gov/castnet</a>). Operating since 1987, CASTNET has evolved into a robust regional monitoring program which currently consists of approximately 95 monitoring stations nationwide. The Environmental Protection Agency (EPA) coordinates the operation of the network in cooperation with numerous federal, tribal, state and local partners.

The primary monitoring objectives of CASTNET are to:

- Provide high quality data on atmospheric deposition, rural ground level ozone and other forms of atmospheric pollution;
- Support the primary and secondary ozone NAAQS and provide data on NAAQS compliance in rural areas;
- Monitor the status and trends in regional air quality and atmospheric deposition;
- Assess and report on geographic patterns and long-term, temporal trends in ambient air pollution and atmospheric deposition;
- Improve our understanding of PM and ozone formation;
- Validate and improve atmospheric models;
- Provide data for health-based research and epidemiology studies;
- Assess the effectiveness of EPA's emission reduction programs; and
- Support science and ecosystem studies.

CASTNET sites measure weekly average concentrations of sulfate (SO<sub>4</sub><sup>2-</sup>), nitrate (NO<sub>3</sub><sup>-</sup>), ammonium (NH<sub>4</sub><sup>+</sup>), sulfur dioxide (SO<sub>2</sub>), nitric acid (HNO<sub>3</sub>), chloride (Cl<sup>-</sup>) and the base cations (Na<sup>+</sup>, K<sup>+</sup>, Mg<sup>2+</sup>and Ca<sup>2+</sup>) using a 3-stage filter pack. In addition, each site may make ancillary measurements, including hourly ozone (O<sub>3</sub>), hourly meteorology, ammonia (NH<sub>3</sub>) gas using passive devices, and trace-level gases. Trace-level gas monitors include reactive oxidized nitrogen (NOy), nitric oxide (NO), sulfur dioxide (SO<sub>2</sub>) and carbon monoxide (CO). CASTNET O<sub>3</sub>, meteorological, and trace gas measurements follow the requirements in the Code of Federal Regulations (CFR) and EPA's Quality Assurance Handbook.

#### II. PURPOSE

The primary purpose of this task order is to provide for the indeterminate costs of routine activities and provisions associated with operating the CASTNET base program. Examples of these costs include site utilities, land leases, and travel associated with management meetings. The Task Order Project Officer shall provide technical direction for performance of specific tasks under this task order.

#### III. CONTRACT LEVEL STATEMENT OF WORK REFERENCE

The tasks to be performed under this task order are consistent with the activities authorized in CLIN 22 of the contract's Statement of Work.

#### IV. TECHNICAL DIRECTION

#### 1. Prepare a Technical Proposal & Cost Estimate

The Contractor shall prepare a Task Order Technical Proposal and Cost Estimate (TP&CE) in accordance with the terms and conditions of contract clauses B.1 entitled Fixed Rates for Services and submit it to EPA 10 days after receipt of this SOW.

# 2. Provide Utility & Infrastructure Costs for EPA Operated CASTNET Sites

The contractor shall be responsible for managing and coordinating the payment of on-going site land leases, rent, utilities, and phone and/or Internet services for the EPA-sponsored CASTNET sites. A list of the sites and site locations is included in Attachment 1.

#### 3. Travel to Meetings

Upon technical direction from the EPA Project Officer, the contractor may travel to meetings with EPA (or their designee) for management consultations and/or to provide technical support necessary for the day-to-day operation of the network. The contractor may travel to conferences to present technical papers related to CASTNET with EPA Project Officer approval. The cost estimate should be based on 16-person trips and 32 days of per diem.

#### V. DELIVERABLES AND SCHEDULE

All deliverables shall be reviewed and quality assured during the performance of this task order. Deliverables should be submitted to EPA electronically.

### 1. Technical Proposal & Cost Estimate

The contractor shall deliver a Task Order Technical Proposal and Cost Estimate in accordance with Attachment 12 Task Order Ordering Procedures of the contract (EP-W-16-015). The proposal shall be submitted 10 days after receipt of the SOW.

#### 2. Monthly Progress Report

The contractor shall prepare and submit a monthly progress report by the 15<sup>th</sup> of each month summarizing the progress made, issues encountered or expected, work planned for the next reporting period and costs. These reports shall comply with contract clauses F.1 Monthly Progress Report and F-5 Reports of Work.

#### **Distribution of Deliverables:**

Addressee	Copies
EPA Contracting Officer (Mike Fox)	1
EPA Task Order Project Officer (Taylor Macy)	1
EPA Alternate TOPO (Melissa Puchalski)	1

# Attachment 1. Active EPA Sites (as of April 2019)

Contract#: EP-W-16-015 Task Order#: 68HE0H19F0241

Project#: 3001

# ATTACHMENT B SUMMARY OF TASK ORDER OBLIGATION/CEILING AMOUNTS

Total Funding/Obligation Amounts								
Period	<b>Previous Amount</b>	This Action	Amount					
Base Period		-	\$60,000.00					
Total		-	\$60,000.00					

Total Task Order Ceiling							
Period	Previous Amount	This Action	Amount				
Base Period	-	-	\$286,276.00				
Total	-	-	\$286,276.00				

AMENDMENT OF SOLICITATION/MODIFIC	ATION OF CO	ONTRACT	1. CONTRACT	ID CODE	PAGE	OF PAGES		
2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE	DATE 4	 4. REQUISITION/PURCH	HASE REQ. NO.	5. PROJECT	NO. (If applicable)		
P00001	See Bloo	ck 16C	PR-OAR-20-000	12	3001			
6. ISSUED BY CODE	HQAD		7. ADMINISTERED BY	If other than Item 6)	CODE			
HQAD US Environmental Protection William Jefferson Clinton Bu 1200 Pennsylvania Avenue, N. Mail Code: 3803R Washington DC 20460	uilding							
8. NAME AND ADDRESS OF CONTRACTOR (No., street	t, county, State and .	ZIP Code) ,	. 9A. AMENDMENT O	F SOLICITATION NO.				
WOOD ENVIRONMENT & INFRASTRUCTU Attn: JOSEPH FARRELL 751 Arbor Way Ste 180 Blue Bell PA 194221972	ons, inc.	9B. DATED (SEE ITEM 11)  10A. MODIFICATION OF CONTRACT/ORDER NO. EP-W-16-015 68HERH19F0241						
CODE	FACILITY CODE		10B. DATED (SEE IT					
CODE 038086125		EM ONLY APPLIES TO AN	07/03/2019					
separate letter or electronic communication which incl RECEIVED AT THE PLACE DESIGNATED FOR THE OFFER. If by virtue of this amendment you desire to each letter or electronic communication makes reference 12. ACCOUNTING AND APPROPRIATION DATA (If req. See Schedule	RECEIPT OF OF change an offer a nce to the solicita	FFERS PRIOR TO THE H Ilready submitted , such c tion and this amendment,	IOUR AND DATE SPECI hange may be made by I	FIED MAY RESULT IN REJ letter or electronic communic the opening hour and date s	ECTION OF YO cation, provided	UR		
CHECK ONE  A. THIS CHANGE ORDER IS ISSUED I ORDER NO. IN ITEM 10A.								
B. THE ABOVE NUMBERED CONTRAL appropriation data, etc.) SET FORTH  C. THIS SUPPLEMENTAL AGREEMEN	CT/ORDER IS MO H IN ITEM 14, PU	ODIFIED TO REFLECT THE RUTH	HE ADMINISTRATIVE C ORITY OF FAR 43.103(b					
D. OTHER (Specify type of modification	and authority)							
X EPA-B-32-103 - LIMIT	•	GOVERNMENT'S	SOBLIGATION					
E. IMPORTANT: Contractor	20.00			copies to the issuin	ng office			
14. DESCRIPTION OF AMENDMENT/MODIFICATION DUNS Number: 038086125	9.	E)		30 200	es			
The purpose of this modifica	tion is t	to obligate i	ncremental f	unding in the	amount o	of		
\$40,000.00 to this task orde	r.							
TOCOR: Macy Taylor								
LIST OF CHANGES:								
Reason for Modification: Fun Obligated Amount for this Mo	177	<del>-</del> 4	0					
New Total Obligated Amount f								
Incremental Funded Amount ch	anged:	from						
\$60,000.00 to \$100,000.00								
CHANGES FOR LINE ITEM NUMBER	: 1							
Continued								
Except as provided herein, all terms and conditions of the	ne document refe	renced in Item 9 A or 10A	, as heretofore changed,	remains unchanged and in	full force and ef	fect.		
15A. NAME AND TITLE OF SIGNER (Type or print)			16A. NAME AND TITLE Michael C. H	E OF CONTRACTING OFFI	CER (Type or p	rint)		
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED	16B. UNITED STATES	OF AMERICA	FL FCTRONIC	16C. DATE SIGNED		
(Cignature of paymen authorized to gign)			Pigginos (Signatur		5:GNATURE	10/10/2019		

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 OF

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NAME OF OFFEROR OR CONTRACTOR

TEM NO.	SUPPLIES/SERVICES	QUANTITY		UNIT PRICE	AMOUNT
(A)	(B)	(C)	(D)	(E)	(F)
	Obligated Amount for this Modification: \$40,000.00				
	Incremental Funded Amount changed from \$60,000.00				
	to \$100,000.00				
	NEW ACCOUNTING CODE ADDED:				
	Account code:				
	19-20-B-58D1-000A45-2505-1958DC0001-001				
	Beginning FiscalYear 19				
	Ending Fiscal Year 20				
	Fund (Appropriation) B				
	Budget Organization 58D1				
	Program (PRC) 000A45				
	Budget (BOC) 2505				
	Job # (Site/Project)				
	Cost Organization				
	DCN-LineID 1958DC0001-001				
	Amount: \$40,000.00				
	Subject To Funding: N				
	Payment Address:				
	RTP Finance Center				
	US Environmental Protection Agency				
	RTP-Finance Center (AA216-01)				
	109 TW Alexander Drive				
	www2.epa.gov/financial/contracts				
	Durham NC 27711				
	Barnam No 27711				
	Payment:				
	RTP Finance Center				
	US Environmental Protection Agency				
	RTP-Finance Center (AA216-01)				
	109 TW Alexander Drive				
	www2.epa.gov/financial/contracts				
	Durham NC 27711				
	Period of Performance: 07/09/2019 to 07/08/2020				
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Contract#: EP-W-16-015

Task Order#: 68HE0H19F0241 (3001)

Modification#: P00001

# ATTACHMENT B SUMMARY OF TASK ORDER OBLIGATION/CEILING AMOUNTS

Total Funding/Obligation Amounts								
Period	Previous Amount	This Action	Amount					
Base Period	\$60,000.00	\$40,000.00	\$100,000.00					
Total	\$60,000.00	\$40,000.00	\$100,000.00					

Total Task Order Ceiling							
Period	Previous Amount	This Action	Amount				
Base Period	-	-	\$286,276.00				
Total	-	-	\$286,276.00				

AMENDMENT OF SOLICITATION/MODIFIC	NTRACT		CONTRACT ID CODE	PAGE	OF PAGES	
2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE	DATE	4. RE	 QUISITION/PURCHASE REQ. NO.	5. PROJECT	β ΓΝΟ. (If applicable)
P00002	See Bloc	k 16C	PR-	DAR-20-00112	3001	
6. ISSUED BY CODE	HQAD		7. AE	MINISTERED BY (If other than Item 6)	CODE	
HQAD US Environmental Protection William Jefferson Clinton Bu 1200 Pennsylvania Avenue, N. Mail Code: 3803R Washington DC 20460	uilding					
8. NAME AND ADDRESS OF CONTRACTOR (No., stree	t, county, State and 2	ZIP Code)	(x) 9/	A. AMENDMENT OF SOLICITATION NO.		
WOOD ENVIRONMENT & INFRASTRUCTURE SOLUTIONS, INC. Attn: JOSEPH FARRELL 751 Arbor Way Ste 180 Blue Bell PA 194221972				3. DATED (SEE ITEM 11)  DA. MODIFICATION OF CONTRACT/ORDER NOT $P-W-16-015$ 8 HERH $19F0241$ DB. DATED (SEE ITEM 13)	0.	
CODE 038086125	FACILITY CODE	:		07/03/2019		
				MENTS OF SOLICITATIONS		
CHECK ONE A. THIS CHANGE ORDER IS ISSUED ORDER NO. IN ITEM 10A.	change an offer a nce to the solicitat uired)  IODIFICATION OF	ready submitted , such of ion and this amendment, Net CONTRACTS/ORDERS Specify authority) THE (	change , and i In 6. IT M	e may be made by letter or electronic communics s received prior to the opening hour and date sp crease: \$1  IODIFIES THE CONTRACT/ORDER NO. AS DES	ation, provided ecified. . 0 0 , 0 0 0 SCRIBED IN I	. 00 TEM 14.
C. THIS SUPPLEMENTAL AGREEMEN  D. OTHER (Specify type of modification)	T IS ENTERED IN	NTO PURSUANT TO AU	THOR		n paying ome	
X EPA-B-32-103 - LIMIT	pC.36					
E. IMPORTANT: Contractor ☑ is not  14. DESCRIPTION OF AMENDMENT/MODIFICATION  DUNS Number: 038086125	(Organized by UC		uding	solicitation/contract subject matter where feasib	le.)	
The purpose of this modifica \$100,000.00 to this task ord TOCOR: Macy Taylor LIST OF CHANGES:	er.		.ncr	emental funding in the a	amount	of
Reason for Modification: Fun Obligated Amount for this Mo New Total Obligated Amount f Incremental Funded Amount ch	dification or this A	n: \$100,000.		00		
\$100,000.00 to \$200,000.00	<u>J</u> .					
CHANGES FOR LINE ITEM NUMBER	: 1					
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Except as provided herein, all terms and conditions of the 15A. NAME AND TITLE OF SIGNER (Type or print)	ne document refer	enced in Item 9 A or 10A	16A	eretofore changed, remains unchanged and in for NAME AND TITLE OF CONTRACTING OFFICE Chael C. Fox		
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED		UNITED STATES OF AMERICA	LECTRONIC	16C. DATE SIGNED
(Signature of person authorized to sign)					S:GNATURE	11/06/2019

 CONTINUATION SHEET
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 OF

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NAME OF OFFEROR OR CONTRACTOR

EM NO.	SUPPLIES/SERVICES	QUANTITY		UNIT PRICE	AMOUNT
(A)	(B)	(C)	(D)	(E)	(F)
	Obligated Amount for this Modification:		1		
	\$100,000.00				
	Incremental Funded Amount changed from				
	\$100,000.00 to \$200,000.00				
	NEW ACCOUNTING CODE ADDED:				
	Account code:				
	20-21-C-58D5-000A45-2505-2058DC0007-001				
	Beginning FiscalYear 20				
	Ending Fiscal Year 21				
	Fund (Appropriation) C				
	Budget Organization 58D5				
	Program (PRC) 000A45				
	Budget (BOC) 2505				
	Job # (Site/Project)				
	Cost Organization				
	DCN-LineID 2058DC0007-001				
	Amount: \$100,000.00				
	Subject To Funding: N				
	Payment Address:				
	RTP Finance Center				
	US Environmental Protection Agency				
	RTP-Finance Center (AA216-01)				
	109 TW Alexander Drive				
	www2.epa.gov/financial/contracts				
	Durham NC 27711				
	Payment:				
	RTP Finance Center				
	US Environmental Protection Agency				
	RTP-Finance Center (AA216-01) 109 TW Alexander Drive				
	www2.epa.gov/financial/contracts				
	Durham NC 27711				
	Period of Performance: 07/09/2019 to 07/08/2020				
	Tellod of Tellotmance: 07/03/2013 to 07/00/2020				

Contract#: EP-W-16-015

Task Order#: 68HE0H19F0241 (3001)

Modification#: P00002

# ATTACHMENT B SUMMARY OF TASK ORDER OBLIGATION/CEILING AMOUNTS

Total Funding/Obligation Amounts									
Period	Previous Amount	This Action	Amount						
Base Period	\$100,000.00	\$100,000.00	\$200,000.00						
Total	\$100,000.00	\$100,000.00	\$200,000.00						

Total Task Order Ceiling									
Period	Previous Amount	This Action	Amount						
Base Period	-	-	\$286,276.00						
Total	-	-	\$286,276.00						

AMENDMENT OF SOLICITATION/MODIFIC	ATION OF CO	NTRACT		CONTRACT ID CODE	OF PAGES				
2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE (	DATE 4	4. RE	L QUISITION/PURCHASE REQ. NO.	5. PROJECT	NO. (If applicable)			
P00003	See Bloc	k 16C	PR-(	DAR-20-00181	3001				
6. ISSUED BY CODE	HQAD		7. AD	MINISTERED BY (If other than Item 6)	CODE				
HQAD US Environmental Protection William Jefferson Clinton Bu 1200 Pennsylvania Avenue, N Mail Code: 3803R Washington DC 20460	uilding								
8. NAME AND ADDRESS OF CONTRACTOR (No., stree	t, county, State and Z	(IP Code)	,, 9A	. AMENDMENT OF SOLICITATION NO.		<del>.</del>			
WOOD ENVIRONMENT & INFRASTRUCTO Attn: JOSEPH FARRELL 751 Arbor Way Ste 180 Blue Bell PA 194221972	ons, Inc.	9B. DATED (SEE ITEM 11)  *** 10A. MODIFICATION OF CONTRACT/ORDER NO. EP-W-16-015 68HERH19F0241							
CODE 038086125	FACILITY CODE			07/03/2019					
				MENTS OF SOLICITATIONS					
CHECK ONE A. THIS CHANGE ORDER IS ISSUED ORDER NO. IN ITEM 10A.	change an offer al nce to the solicitati uired)  IODIFICATION OF PURSUANT TO: (3	ready submitted , such clion and this amendment, Net CONTRACTS/ORDERS. Specify authority) THE C	hange and is Inc	may be made by letter or electronic communicates received prior to the opening hour and date sp	ation, provided ecified. 50,000.( SCRIBED IN F	TEM 14.			
C. THIS SUPPLEMENTAL AGREEMEN  D. OTHER (Specify type of modification	T IS ENTERED IN	ITO PURSUANT TO AUT	THOR	ITY OF:					
X EPA-B-32-103 - LIMIT	TATION OF	GOVERNMENT'S	S OF	BLIGATION					
E. IMPORTANT: Contractor ☑ is not  14. DESCRIPTION OF AMENDMENT/MODIFICATION  DUNS Number: 038086125	(Organized by UC		uding .	solicitation/contract subject matter where feasib	le.)				
The purpose of this modifica \$60,000.00 to this task order TOCOR: Macy Taylor LIST OF CHANGES: Reason for Modification: Fund Obligated Amount for this Mc New Total Obligated Amount for this Mc Incremental Funded Amount of \$200,000.00 to \$260,000.00 CHANGES FOR LINE ITEM NUMBER Continued	ding Only dificatio or this A anged:	Action on: \$60,000.0	0		amount	OI			
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Except as provided herein, all terms and conditions of the 15A. NAME AND TITLE OF SIGNER (Type or print)	ne document refere	enced in Item 9 A or 10A,	10A, as heretofore changed, remains unchanged and in full force and effect.  16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)  Michael C. Fox						
15B. CONTRACTOR/OFFEROR	1	15C. DATE SIGNED		UNITED STATES OF AMERICA	LECTRONIC	16C. DATE SIGNED			
(Signature of person authorized to sign)				(Signature of Contracting Officer)	S:GNATURE	11/20/2019			

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 OF

 EP-W-16-015/68HERH19F0241/P00003
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NAME OF OFFEROR OR CONTRACTOR

EM NO.	SUPPLIES/SERVICES	QUANTITY		UNIT PRICE	AMOUNT
(A)	(B)	(C)	(D)	(E)	(F)
	Obligated Amount for this Modification: \$60,000.00		Ħ		
	Incremental Funded Amount changed from				
	\$200,000.00 to \$260,000.00				
	NEW ACCOUNTING CODE ADDED:				
	Account code:				
	19-20-C-58D5-000A45-2505-2058DC0012-001				
	Beginning FiscalYear 19				
	Ending Fiscal Year 20				
	Fund (Appropriation) C				
	Budget Organization 58D5				
	Program (PRC) 000A45				
	Budget (BOC) 2505				
	Job # (Site/Project)				
	Cost Organization				
	DCN-LineID 2058DC0012-001				
	Amount: \$60,000.00				
	Subject To Funding: N				
	Payment Address:				
	RTP Finance Center				
	US Environmental Protection Agency				
	RTP-Finance Center (AA216-01)				
	109 TW Alexander Drive				
	www2.epa.gov/financial/contracts				
	Durham NC 27711				
	Payment:  RTP Finance Center  US Environmental Protection Agency  RTP-Finance Center (AA216-01)  109 TW Alexander Drive  www2.epa.gov/financial/contracts  Durham NC 27711  Period of Performance: 07/09/2019 to 07/08/2020				

Contract#: EP-W-16-015

Task Order#: 68HE0H19F0241 (3001)

Modification#: P00003

# ATTACHMENT B SUMMARY OF TASK ORDER OBLIGATION/CEILING AMOUNTS

Total Funding/Obligation Amounts									
Period	Previous Amount	This Action	Amount						
Base Period	\$200,000.00	\$60,000.00	\$260,000.00						
Total	\$200,000.00	\$60,000.00	\$260,000.00						

Total Task Order Ceiling									
Period	Previous Amount	This Action	Amount						
Base Period	-	-	\$286,276.00						
Total	-	-	\$286,276.00						

AMENDMENT OF SOLICITATION/MODIFIC	ATION OF CO	DNTRACT		CONTRACT ID CODE	OF PAGES				
2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE	DATE	4. RE	 QUISITION/PURCHASE REQ. NO.	5. PROJECT	NO. (If applicable)			
P00004	See Bloo	ck 16C	PR-	DAR-20-00298	3001				
6. ISSUED BY CODE	HQAD		7. AE	MINISTERED BY (If other than Item 6)	CODE				
HQAD US Environmental Protection William Jefferson Clinton Bu 1200 Pennsylvania Avenue, N Mail Code: 3803R Washington DC 20460	uilding				_				
8. NAME AND ADDRESS OF CONTRACTOR (No., street	t, county, State and	ZIP Code)	(x) 9,	A. AMENDMENT OF SOLICITATION NO.					
WOOD ENVIRONMENT & INFRASTRUCTI Attn: JOSEPH FARRELL 751 Arbor Way Ste 180 Blue Bell PA 194221972	ONS, INC.	9B. DATED (SEE ITEM 11)  x 10A. MODIFICATION OF CONTRACT/ORDER NO. EP-W-16-015 68HERH19F0241							
CODE 038086125	FACILITY COD	<u> </u>		07/03/2019					
	11, THIS ITE	M ONLY APPLIES TO A		MENTS OF SOLICITATIONS					
CHECK ONE A. THIS CHANGE ORDER IS ISSUED ORDER NO. IN ITEM 10A.	change an offer a nee to the solicita juired)  MODIFICATION OF	Iready submitted , such of tion and this amendment  Net  F CONTRACTS/ORDERS  (Specify authority) THE (	in In CHAN	e may be made by letter or electronic communica s received prior to the opening hour and date sp	ation, provided ecified. 21,606.5 SCRIBED IN IT	7 3 F <b>EM 14.</b>			
C. THIS SUPPLEMENTAL AGREEMEN  D. OTHER (Specify type of modification	IT IS ENTERED I								
X EPA-B-32-103 - LIMIT	ration of	GOVERNMENT'S	S O	BLIGATION					
E. IMPORTANT: Contractor  is not		sign this document and							
14. DESCRIPTION OF AMENDMENT/MODIFICATION DUNS Number: 038086125	(Organized by O	or section neadings, incli	uaing	solicitation/contract subject matter where reasib	ie.)				
The purpose of this modifica \$21,606.73 to this task order TOCOR: Macy Taylor LIST OF CHANGES: Reason for Modification: Fund Obligated Amount for this Modification to the Modification obligated Amount of Incremental Funded Amount of	er. ding Only dification	y Action on: \$21,606.7	73		amount	of			
\$260,000.00 to \$281,606.73	iangeu:	TTOIII							
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	he document refe	renced in Item 9 A or 10A	r 10A, as heretofore changed, remains unchanged and in full force and effect.  16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)  Michael C. Fox						
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED		UNITED STATES OF AMERICA	LECTRONIC	16C. DATE SIGNED			
(Signature of person authorized to sign)				(Signature of Contracting Officer)	5:GNATURE	01/14/2020			

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 OF

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NAME OF OFFEROR OR CONTRACTOR

EM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Obligated Amount for this Modification: \$21,606.73				
	Incremental Funded Amount changed from				
	\$260,000.00 to \$281,606.73				
	NEW ACCOUNTING CODE ADDED:				
	Account code:				
	19-20-C-58D5-000A45-2505-2058DC0024-001				
	Beginning FiscalYear 19				
	Ending Fiscal Year 20				
	Fund (Appropriation) C				
	Budget Organization 58D5				
	Program (PRC) 000A45				
	Budget (BOC) 2505				
	Job # (Site/Project)				
	Cost Organization DCN-LineID 2058DC0024-001				
	Amount: \$21,606.73				
	Subject To Funding: N				
	Payment Address:				
	RTP Finance Center				
	US Environmental Protection Agency				
	RTP-Finance Center (AA216-01)				
	109 TW Alexander Drive				
	www2.epa.gov/financial/contracts				
	Durham NC 27711				
	Payment:				
	RTP Finance Center				
	US Environmental Protection Agency				
	RTP-Finance Center (AA216-01)				
	109 TW Alexander Drive				
	www2.epa.gov/financial/contracts				
	Durham NC 27711				
	Period of Performance: 07/09/2019 to 07/08/2020				
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EP-W-16-015

Order#: 68HERH19F0241 (3001)

Modification: P00004

# ATTACHMENT B SUMMARY OF TASK ORDER OBLIGATION/CEILING AMOUNTS

Total Funding/Obligation Amounts										
Period	<b>Previous Amount</b>	This Action	Amount							
Base Period	\$260,000.00	\$21,606.73	\$281,606.73							
Total	\$260,000.00	\$21,606.73	\$281,606.73							

Total Task Order Ceiling									
Period	Previous Amount	This Action	Amount						
Base Period	-	-	\$286,276.00						
Total	-	-	\$286,276.00						

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<u> </u>	•		ach Additional S	heets as Necessary)			<u> </u>				
25. ACCOUNTING AND AI See Schedule	PPROPRIA	TION DATA						26. TOTAL AWARD. \$34	<b>AMOUNT</b> (For: 386.00	Govt. Use (	Only)
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28. CONTRACTOR IS REQUIRED TO SIGN THIS DOCUMENT AND RETURN COPIES TO ISSUING OFFICE. CONTRACTOR AGREES TO FURNISH AND DELIVER ALL ITEMS SET FORTH OR OTHERWISE IDENTIFIED ABOVE AND ON ANY ADDITIONAL SHEETS SUBJECT TO THE TERMS AND CONDITIONS SPECIFIED.  30a. SIGNATURE OF OFFEROR/CONTRACTOR				RETURN SH AND DELIVER ON ANY ADDITIONAL	31a. UNITE	29. AWARD DATED INCLUDING HEREIN, IS	OF CONT	RACT: . YOUR . YOUR DITIONS OR CHANGED AS TO ITEMS: SIGNATURE OF CONT	OFFER ON SO	DLICITATIO RE SET FO	
30b. NAME AND TITLE OF	SIGNER (	Type or print)		30c. DATE SIGNED	72		ACTING (	OFFICER (Type or p		31c. D	ATE SIGNED
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	the Attachr	ment A Statement o	f Wor	k (4 pages)	and					
	the accepte	ed technical propo	sal a	and cost esti	.mate					
	dated June	11, 2019 (7 pages	) in	the amount o	f					
	\$34,386.00	,								
	This is a '	Time-and-Materials	(T&M	1) task order	-1					
	  with a tota	al ceiling price o	f \$34	, 1,386.00, whi	.ch					
		ctor is not author								
	Contractor	exceeds at its ow	n ris	sk.						
	The total of	obligated/funded c	eilin	ng amount for						
		is currently \$10,		_						
	incrementa:	lly funded as deta	iled	in Attachmen	ıt B					
	Summary of	Amounts and Ceili	ngs a	and Attachmen	ıt B					
	is hereby :	incorporated (1 pa	ige).							
	Contracting	g Officer's Repres	entat	cive (COR) fo	r					
	this task	_								
	Macy Taylo:	r, (202) 343-9183,	Macy	v.Taylor@epa.	gov					
	Alternate (	COR:								
		chalski, (202) 343	-9882	2,						
		Melissa@epa.gov		•						
	The service	es of this order a	re fo	or severable.						
	TOCOR: Mac	y Taylor								
	Period of 1	Performance: 07/09	/2019	to 07/08/20	20					
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NAME OF OFFEROR OR CONTRACTOR

EM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Shipping				
	Accounting Info: 19-20-C-58D5-000A45-2505-1958DC9044-001 BFY: 19 EFY: 20 Fund: C Budget Org: 58D5 Program (PRC): 000A45 Budget (BOC): 2505 DCN - Line ID: 1958DC9044-001				
	Funding Flag: Complete Funded: \$10,000.00				

### **ATTACHMENT 1** Statement of Work

Title: Support for NADP Non-Routine Operations and Shipping

(3002)

**Contractor:** Wood E&IS, Inc.

Contract #: EP-W-16-015

Task Order #: 68HERH19F0242

**Period of Performance:** 7/9/2019 to 7/8/2020

### **EPA Key Personnel**

### Task Order Project Officer (TOPO)/Contract Level Project Officer (PO):

**Taylor Macy** 

Clean Air Markets Division (OAP/OAR/CAMD)

1200 Pennsylvania Ave., NW

Mail Code 6204M

Washington, DC 20460 phone: (202) 343-9183

email: macy.taylor@epa.gov

#### **Alternate TOPO:**

Melissa Puchalski

Clean Air Markets Division (OAP/OAR/CAMD)

1200 Pennsylvania Ave., NW

Mail Code 6204M

Washington, DC 20460

phone: (202) 343-9882

email: puchalski.melissa@epa.gov

# **Contracting Officer (CO):**

Michael Fox

Contracting Officer

Administrative Contract Service Center

1200 Pennsylvania Ave N.W.

Mail Code 3803R

Washington DC 20460

phone: (202) 564-2550

email: fox.michael@epa.gov

#### STATEMENT OF WORK

#### I. INTRODUCTION

The Clean Air Status and Trends Network (CASTNET) is a long-term environmental monitoring network that measures changes in ambient air quality and assesses atmospheric deposition over broad geographic regions of the U.S. (<a href="https://www.epa.gov/castnet">https://www.epa.gov/castnet</a>). Operating since 1987, CASTNET has evolved into a robust regional monitoring program which currently consists of approximately 95 monitoring stations nationwide. The Environmental Protection Agency (EPA) coordinates the operation of the network in cooperation with numerous federal, tribal, state and local partners.

The primary monitoring objectives of CASTNET are to:

- Provide high quality data on atmospheric deposition, rural ground level ozone and other forms of atmospheric pollution;
- Support the primary and secondary ozone NAAQS and provide data on NAAQS compliance in rural areas;
- Monitor the status and trends in regional air quality and atmospheric deposition;
- Assess and report on geographic patterns and long-term, temporal trends in ambient air pollution and atmospheric deposition;
- Improve our understanding of PM and ozone formation;
- Validate and improve atmospheric models;
- Provide data for health-based research and epidemiology studies;
- Assess the effectiveness of EPA's emission reduction programs; and
- Support science and ecosystem studies.

CASTNET sites measure weekly average concentrations of sulfate (SO<sub>4</sub><sup>2-</sup>), nitrate (NO<sub>3</sub><sup>-</sup>), ammonium (NH<sub>4</sub><sup>+</sup>), sulfur dioxide (SO<sub>2</sub>), nitric acid (HNO<sub>3</sub>), chloride (Cl<sup>-</sup>) and the base cations (Na<sup>+</sup>, K<sup>+</sup>, Mg<sup>2+</sup> and Ca<sup>2+</sup>) using a 3-stage filter pack. In addition, each site may make ancillary measurements, including hourly ozone (O<sub>3</sub>), hourly meteorology, ammonia (NH<sub>3</sub>) gas using passive devices, and trace-level gases. Trace-level gas monitors include reactive oxidized nitrogen (NOy), nitric oxide (NO), sulfur dioxide (SO<sub>2</sub>) and carbon monoxide (CO). CASTNET O<sub>3</sub>, meteorological, and trace gas measurements follow the requirements in the Code of Federal Regulations (CFR) and EPA's Quality Assurance Handbook.

#### II. PURPOSE

The primary purpose of this task order is to provide for site operator support for the National Atmospheric Deposition Program's (NADP's) networks outside of the support provided through the CASTNET Base Program and CASTNET Tribal Base Program (Task Orders 3003 and 3004, respectively). The purpose of this task order is to provide for non-routine support associated with operating NADP sites that are sponsored by EPA's Clean Air Markets Division (CAMD).

Additionally, under this Task Order the contractor shall prepare and purchase the shipping labels, as well as cover the freight charges associated with using the shipping labels for NADP samples from sites supported by CAMD, but not covered under Task Orders 3003 and 3004. The sites that receive shipping labels are included in Table 2.

#### III. CONTRACT LEVEL STATEMENT OF WORK REFERENCE

The tasks to be performed under this task order are consistent with the activities authorized in Task 22 (Level of Effort) from the contract's Statement of Work.

#### IV. TECHNICAL DIRECTION

### 1. Prepare a Technical Proposal & Cost Estimate

The Contractor shall prepare a Task Order Technical Proposal and Cost Estimate (TP&CE) in accordance with the terms and conditions of contract clauses B.1 entitled Fixed Rates for Services and submit it to the EPA 10 days after receipt of this SOW.

### 2. Non-Routine Site Operator Support

The Contractor shall be responsible for supporting the EPA-sponsored CASTNET operators for NADP networks not supported by Task Orders 3003 and 3004 or for work not covered in the scope for Task Orders 3003 and 3004. Currently, this includes Mercury Deposition Network (MDN) sites (Table 1) and non-routine work at NADP sites co-located with CASTNET including:

- A. Contacting potential site operators to review the responsibilities and time commitment required for installation and weekly and/or bi-weekly deployment of samplers;
- B. Supporting non-routine maintenance visits to make repairs, which range from minor maintenance to major repairs that may result from harsh weather conditions causing significant damage over time;
- C. Verify that co-located NADP equipment is working correctly during the regular semiannual CASTNET calibration visits; and
- D. Assisting the NADP Program Office with site status updates, including site location changes, site operator status changes, etc. for sites not included in the SOW for Task Orders 3003 and 3004.

Site operators supported by this task order will be responsible for:

- A. Installation of the sampling system, if not previously installed prior to the start of this task order;
- B. Routine sampling procedures, which involve sample change out every Tuesday; and
- C. Shipping samples collected to the NADP Central Analytical Laboratory at the Wisconsin State Laboratory of Hygiene at the University of Wisconsin.

Table 1 CASTNET Sites/Site Operators Funded for MDN Operations under Task Order 2

#### **ANA115, MI**

### 3. Sample Shipping

The contractor shall provide shipping labels to NTN sites where full site operator support is not required and to MDN sites supported by Task Order 3002, if required. For NTN this will include shipping for NTN bottles once per week and bulk shipping for buckets every six weeks. For MDN, this will include shipping for sample coolers once per week. Sites requiring shipping labels are included in Table 2.

Table 2 CASTNET Sites Requiring Shipping Labels

CO08	NTN	Four Mile Peak	US Forest Service
CO92	NTN	Sunlight Peak	US Forest Service

MI52	MDN	Ann Arbor	Lake Michigan Air Directors
			Consortium
MI98	NTN	Raco	US Forest Service
<b>MN18</b>	NTN	Fernberg	<b>US Forest Service</b>
NY22	NTN	Akwesansne	US EPA Clean Air
		Mohawk-Fort	Markets Division
		Covington	
NY67	NTN	Ithaca	US EPA Clean Air
			Markets Division until September 1st

# 4. NADP Site Repairs

The contractor shall perform basic site repairs on an as-needed basis at the NADP sites supported by the US EPA's CAMD. The TOPO will provide technical direction as needed for these repairs. For the purposes of the cost estimate, the contractor shall include two one-person repair trips. If fewer than two trips are required, the EPA will not be invoiced for the repair trips.

#### V. DELIVERABLES AND SCHEDULE

All deliverables shall be reviewed and quality assured during the performance of this task order. Deliverables should be submitted to EPA electronically.

# 1. Technical Proposal & Cost Estimate

The contractor shall deliver a Task Order Technical Proposal and Cost Estimate in accordance with clause Attachment 12 Task Order Ordering Procedures of the contract (EP-W-16-015). The proposal shall be submitted 10 days after receipt of the SOW.

#### 2. Monthly Progress Report

The contractor shall prepare and submit a monthly progress report by the 15<sup>th</sup> of each month summarizing the progress made, issues encountered or expected, work planned for the next reporting period and costs. These reports shall comply with contract clauses F.1 Monthly Progress Report and F-5 Reports of work.

#### **Distribution of Deliverables:**

Addressee	Copies
EPA Contracting Officer (Mike Fox)	1
EPA Task Order Project Officer (Taylor Macy)	1
EPA Alternate TOPO (Melissa Puchalski)	1

Contract#: EP-W-16-015 Task Order#: 68HERH19F0242

Project#: 3002

# ATTACHMENT B SUMMARY OF TASK ORDER OBLIGATION/CEILING AMOUNTS

Total Funding/Obligation Amounts						
Period	<b>Previous Amount</b>	This Action	Amount			
Base Period	-	-	\$10,000.00			
Total	-		\$10,000.00			

Total Task Order Ceiling							
Period	Previous Amount	This Action	Amount				
Base Period	-	-	\$34,386.00				
Total	-	-	\$34,386.00				

AMENDMENT OF SOLICITATION/MODIFIC	ATION OF CONTRAC	Т	1. CONTRACT ID CODE	PAGE	OF PAGES
2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. RE		5. PROJECT	NO. (If applicable)
P00001	  See Block 16C	PR-	OAR-20-00583	3002	
6. ISSUED BY CODE	HOAD		DMINISTERED BY (If other than Item 6)	CODE	
HQAD US Environmental Protection William Jefferson Clinton Bu 1200 Pennsylvania Avenue, N. Mail Code: 3803R	Agency			<u> </u>	
Washington DC 20460					
8. NAME AND ADDRESS OF CONTRACTOR (No., street) WOOD ENVIRONMENT & INFRASTRUCTU Attn: JOSEPH FARRELL 751 Arbor Way Ste 180	escribicio de l'esta e escribera e esta sentre e	C. (x)	A. AMENDMENT OF SOLICITATION NO.  B. DATED (SEE ITEM 11)		
Blue Bell PA 194221972			OA. MODIFICATION OF CONTRACT/ORDER N EP-W-16-015 58HERH19F0242 OB. DATED (SEE ITEM 13)	10.	
CODE 038086125	FACILITY CODE		07/02/2019		
	11. THIS ITEM ONLY A	PPLIES TO AMEND	DMENTS OF SOLICITATIONS		
Offers must acknowledge receipt of this amendment is terms 8 and 15, and returning co separate letter or electronic communication which inco RECEIVED AT THE PLACE DESIGNATED FOR THE OFFER. If by virtue of this amendment you desire to each letter or electronic communication makes reference. ACCOUNTING AND APPROPRIATION DATA (If required See Schedule	pies of the amendment; (b) I udes a reference to the solic RECEIPT OF OFFERS PR change an offer already sub- nce to the solicitation and thi	By acknowledging r citation and amendr IOR TO THE HOUF mitted , such chang is amendment, and	eceipt of this amendment on each copy of the o ment numbers. FAILURE OF YOUR ACKNOW! R AND DATE SPECIFIED MAY RESULT IN REJI e may be made by letter or electronic communic is received prior to the opening hour and date s	ffer submitted; LEDGEMENT T ECTION OF YO cation, provided	or (c) By FO BE DUR
Brocker of American American despendent of the Control of the Cont	ODIFICATION OF CONTRA	CTS/ORDERS. IT I	MODIFIES THE CONTRACT/ORDER NO. AS DE	SCRIBED IN IT	ΓEM 14.
	CT/ORDER IS MODIFIED TO H IN ITEM 14, PURSUANT T	O REFLECT THE A TO THE AUTHORIT	DMINISTRATIVE CHANGES (such as changes Y OF FAR 43.103(b).		
D. OTHER (Specify type of modification	and authority)				
X FAR 52.232-22 Limita	tion of Funds				
E. IMPORTANT: Contractor X is not	is required to sign this o	document and retur	n copies to the issuin	g office.	
14. DESCRIPTION OF AMENDMENT/MODIFICATION DUNS Number: 038086125 The purpose of this modifica	(Organized by UCF section of tion is to obl	headings, including	solicitation/contract subject matter where feasi	ble.)	of
\$5,000.00 to this task order	•				
TOCOR: Macy Taylor					
LIST OF CHANGES:	dina Only Bati	0.0			
Reason for Modification: Fun Obligated Amount for this Mo	dification: \$5	,000.00			
New Total Obligated Amount f		\$15,000.	UU		
Incremental Funded Amount ch \$10,000.00 to \$15,000.00	anged: from				
Continued					
Except as provided herein, all terms and conditions of the 15A. NAME AND TITLE OF SIGNER (Type or print)	ne document referenced in It		neretofore changed, remains unchanged and in A. NAME AND TITLE OF CONTRACTING OFFI		
Sale and the of Groner (1990 of pring			chael C. Fox	OLIV (19pe OF F	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
15B. CONTRACTOR/OFFEROR	15C. DATE	SIGNED 16E	B. UNITED STATES OF AMERICA		16C. DATE SIGNED
(Signature of person authorized to sign)		7.	では、アンドロンで、、 (Signature of Contracting Officer)	FLECTRONIC S:GNATURE	03/17/2020

 CONTINUATION SHEET
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 OF

 EP-W-16-015/68HERH19F0242/P00001
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NAME OF OFFEROR OR CONTRACTOR

EM NO.	SUPPLIES/SERVICES	QUANTITY		UNIT PRICE	AMOUNT
(A)	(B)	(C)	(D)	(E)	(F)
	CHANGES FOR LINE ITEM NUMBER: 1				
	Obligated Amount for this Modification: \$5,000.00				
	Incremental Funded Amount changed from \$10,000.00				
	to \$15,000.00				
	NEW ACCOUNTING CODE ADDED:				
	Account code:				
	20-21-C-58D5-000A45-2505-2058DC0032-001				
	Beginning FiscalYear 20				
	Ending Fiscal Year 21				
	Fund (Appropriation) C				
	Budget Organization 58D5				
	Program (PRC) 000A45				
	Budget (BOC) 2505				
	Job # (Site/Project)				
	Cost Organization				
	DCN-LineID 2058DC0032-001				
	Amount: \$5,000.00				
	Subject To Funding: N				
	Payment Address:				
	RTP Finance Center				
	US Environmental Protection Agency				
	RTP-Finance Center (AA216-01)				
	109 TW Alexander Drive				
	www2.epa.gov/financial/contracts				
	Durham NC 27711				
	Payment:				
	RTP Finance Center				
	US Environmental Protection Agency				
	RTP-Finance Center (AA216-01)				
	109 TW Alexander Drive				
	www2.epa.gov/financial/contracts				
	Durham NC 27711				
	Period of Performance: 07/09/2019 to 07/08/2020				
		1			

EP-W-16-015

Order#: 68HERH19F0242 (3002)

Modification: P00001

# ATTACHMENT B SUMMARY OF TASK ORDER OBLIGATION/CEILING AMOUNTS

Total Funding/Obligation Amounts						
Period	Previous Amount	This Action	Amount			
Base Period	\$10,000.00	\$5,000.00	\$15,000.00			
Total	\$10,000.00	\$5,000.00	\$15,000.00			

Total Task Order Ceiling							
Period	Previous Amount	This Action	Amount				
Base Period	-	-	\$34,386.00				
Total	-	-	\$34,386.00				

AMENDMENT OF SOLICITATION/MODIFIC	ATION OF CO	ONTRACT	1	I. CONTRACT ID CODE	PAGE	OF PAGES	
2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE	DATE	4. REQU	ISITION/PURCHASE REQ. NO.	5. PROJECT	NO. (If applicable)	
P00002	See Bloo	ck 16C	PR-OA	R-20-00947	3002		
6. ISSUED BY CODE	HQAD		7. ADMII	NISTERED BY (If other than Item 6)	CODE		
HQAD US Environmental Protection William Jefferson Clinton Bu 1200 Pennsylvania Avenue, N. Mail Code: 3803R Washington DC 20460	uilding						
8. NAME AND ADDRESS OF CONTRACTOR (No., street	t. county. State and	ZIP Code)	, J9A, A	MENDMENT OF SOLICITATION NO.			
WOOD ENVIRONMENT & INFRASTRUCTU Attn: JOSEPH FARRELL 751 Arbor Way Ste 180 Blue Bell PA 194221972	ONS, INC.	9B. DATED (SEE ITEM 11)  ** 10A. MODIFICATION OF CONTRACT/ORDER NO. EP-W-16-015 68HERH19F0242					
CODE	TEACH ITY CODE			DATED (SEE ITEM 13)			
CODE 038086125	FACILITY CODE			/02/2019 NTS OF SOLICITATIONS			
separate letter or electronic communication which incl RECEIVED AT THE PLACE DESIGNATED FOR THE OFFER. If by virtue of this amendment you desire to each letter or electronic communication makes referen	ludes a reference RECEIPT OF Of change an offer a nce to the solicita	to the solicitation and am FFERS PRIOR TO THE H already submitted , such c	mendment HOUR AN change m	D DATE SPECIFIED MAY RESULT IN REJ ay be made by letter or electronic communio	LEDGEMENT 1 ECTION OF YO cation, provided	O BE DUR	
12. ACCOUNTING AND APPROPRIATION DATA (If req. See Schedule	uired)	Net	Incr	ease: \$	5,000.00	)	
CHECK ONE A. THIS CHANGE ORDER IS ISSUED I ORDER NO. IN ITEM 10A.	PURSUANT TO: ( CT/ORDER IS MO H IN ITEM 14, PU	(Specify authority) THE ( DDIFIED TO REFLECT TI RSUANT TO THE AUTH	CHANGE THE ADMI HORITY O	S SET FORTH IN ITEM 14 ARE MADE IN TO SET FORTH IN ITEM 14 ARE MADE IN TO SET FORTH IN ITEM 14 ARE MADE IN TO SET FAR 43.103(b).	THE CONTRAC	т	
D. OTHER (Specify type of modification	and outhority						
X EPA-B-32-103 - LIMIT	•	COVERNMENT	S OBI.	TCATTON			
	20.00						
E. IMPORTANT: Contractor X is not  14. DESCRIPTION OF AMENDMENT/MODIFICATION  DUNS Number: 038086125		100		citation/contract subject matter where feasi	=5		
The purpose of this modifica		to obligate i	incre	mental funding in the	amount	of	
\$5,000.00 to this task order	•						
TOCOR: Macy Taylor							
LIST OF CHANGES:		2-1-1					
Reason for Modification: Fun		="	Ω				
Obligated Amount for this Mo New Total Obligated Amount f							
new lotal Obligated Amount incremental Funded Amount ch		Award: \$20,00 from	00.00				
\$15,000.00 to \$20,000.00	angeu.	TTOIII					
Continued							
Except as provided herein, all terms and conditions of the	ne document rofo	renced in Item Q A or 10A	iΔ as horo	tofore changed, remains unchanged and in	full force and a	ffect	
15A. NAME AND TITLE OF SIGNER (Type or print)	ie accument relei	renced in item 9 A OF TOA	16A. NA	AME AND TITLE OF CONTRACTING OFFI			
				ael C. Fox			
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED		NITED STATES OF AMERICA	FLECTRONIC S:GNATURE	16C. DATE SIGNED	
(Signature of parson outhorized to cign)			1 100	(Signature of Contracting Officer)	3:GNATURE	05/22/2020	

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NAME OF OFFEROR OR CONTRACTOR

EM NO.	SUPPLIES/SERVICES	QUANTITY		UNIT PRICE	AMOUNT
(A)	(B)	(C)	(D)	(E)	(F)
	CHANGES FOR LINE ITEM NUMBER: 1				
	Obligated Amount for this Modification: \$5,000.00				
	Incremental Funded Amount changed from \$15,000.00				
	to \$20,000.00				
	NEW ACCOUNTING CODE ADDED:				
	Account code:				
	20-21-C-58D5-000A45-2505-2058DC0055-001				
	Beginning FiscalYear 20				
	Ending Fiscal Year 21				
	Fund (Appropriation) C				
	Budget Organization 58D5				
	Program (PRC) 000A45				
	Budget (BOC) 2505				
	Job # (Site/Project)				
	Cost Organization				
	DCN-LineID 2058DC0055-001				
	Amount: \$5,000.00				
	Subject To Funding: N				
	Payment Address:				
	RTP Finance Center				
	US Environmental Protection Agency				
	RTP-Finance Center (AA216-01)				
	109 TW Alexander Drive				
	www2.epa.gov/financial/contracts				
	Durham NC 27711				
	Payment:  RTP Finance Center  US Environmental Protection Agency  RTP-Finance Center (AA216-01)  109 TW Alexander Drive  www2.epa.gov/financial/contracts  Durham NC 27711  Period of Performance: 07/09/2019 to 07/08/2020				

EP-W-16-015

Order#: 68HERH19F0242 (3002)

Modification: P00002

# ATTACHMENT B SUMMARY OF TASK ORDER OBLIGATION/CEILING AMOUNTS

Total Funding/Obligation Amounts						
Period	Previous Amount	This Action	Amount			
Base Period	\$15,000.00	\$5,000.00	\$20,000.00			
Total	\$15,000.00	\$5,000.00	\$20,000.00			

Total Task Order Ceiling						
Period	Previous Amount	This Action	Amount			
Base Period	-	-	\$34,386.00			
Total	-	-	\$34,386.00			

AMENDMENT OF SOLICITATION/MODIFIC	CATION OF C	ONTRACT		1. CONTRACT ID CODE	PAGE	OF PAGES				
2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE	DATE	4. RI		5. PROJECT	NO. (If applicable)				
P00003	See Blo	ck 16C			3002					
6. ISSUED BY CODE	HQAD		7. A	DMINISTERED BY (If other than Item 6)	CODE					
HQAD US Environmental Protection William Jefferson Clinton E 1200 Pennsylvania Avenue, N Mail Code: 3803R Washington DC 20460	uilding									
8. NAME AND ADDRESS OF CONTRACTOR (No., stre	et, county, State and	I ZIP Code)	(x) S	PA. AMENDMENT OF SOLICITATION NO.		1				
WOOD ENVIRONMENT & INFRASTRUCTURE SOLUTIONS, INC. Attn: JOSEPH FARRELL 751 Arbor Way Ste 180 Blue Bell PA 194221972				9B. DATED (SEE ITEM 11)  x 10A. MODIFICATION OF CONTRACT/ORDER NO. EP-W-16-015 68HERH19F0242 10B. DATED (SEE ITEM 13)						
CODE 038086125	FACILITY COD	E		07/02/2019						
	11, THIS IT	   EM ONLY APPLIES TO A	MENI	DMENTS OF SOLICITATIONS						
	E RECEIPT OF Co change an offer cence to the solicita quired)  MODIFICATION O	FFERS PRIOR TO THE Halready submitted , such dation and this amendment Net	HOUI chang t, and D∈	R AND DATE SPECIFIED MAY RESULT IN REJE ge may be made by letter or electronic communica is received prior to the opening hour and date sp	ECTION OF YOution, provided ecified.	DUR 1 55 FEM 14.				
B. THE ABOVE NUMBERED CONTR appropriation data, etc.) SET FOR  C. THIS SUPPLEMENTAL AGREEME  D. OTHER (Specify type of modification  X EPA-B-32-103 - LIMI	NT IS ENTERED	INTO PURSUANT TO AU	JTHO		n paying office	Э,				
	<u> </u>				office					
E. IMPORTANT: Contractor X is not  14. DESCRIPTION OF AMENDMENT/MODIFICATION  DUNS Number: 038086125  The purpose of this modific	N (Organized by U		luding	g solicitation/contract subject matter where feasib	le.)	.65 from				
this task order.		-		-						
TOCOR: Macy Taylor LIST OF CHANGES:										
Reason for Modification: Fu Obligated Amount for this M New Total Obligated Amount	odificati	on: -\$3,447.6		35						
Incremental Funded Amount c		from	•	<del>⊼</del> ▼						
\$20,000.00 to \$16,552.35										
CHANGES FOR LINE ITEM NUMBE	R: 1									
Continued										
Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.  15A. NAME AND TITLE OF SIGNER (Type or print)  Michael C. Fox										
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED		B. UNITED STATES OF AMERICA	LECTRONIC	16C. DATE SIGNED				
(Signature of person authorized to sign)			-	(Signature of Contracting Officer)	S:GNATURE	09/04/2020				

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NAME OF OFFEROR OR CONTRACTOR

ITEM NO.	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
(A)	(B)		(D)	(E)	(F)
	Obligated Amount for this Modification: -\$3,447.65				
	Incremental Funded Amount changed from \$20,000.00				
	to \$16,552.35				
	CANAGES FOR ACCOUNTAGE CORE				
	CHANGES FOR ACCOUNTING CODE: 20-21-C-58D5-000A45-2505-2058DC0055-001				
	Amount changed from \$5,000.00 to \$1,552.35				
	Payment:				
	RTP Finance Center				
	US Environmental Protection Agency				
	RTP-Finance Center (AA216-01) 109 TW Alexander Drive				
	www2.epa.gov/financial/contracts				
	Durham NC 27711				
	Period of Performance: 07/09/2019 to 07/08/2020				
NON 7540 04 451		<u> </u>	1		ODTIONAL FORMACO (4 CO)

s		ONTRACT/ORDE				REQUISITION NU			PAGE OF	5.0
		R TO COMPLETE BLO		·	Se	ee Sched	encore in order		1	3
2. CONTRACT NO EP-W-16-	0. -015		3. AWARD/ EFFECTIVE DA 07/09/2	4. ORDER NUMBER TE 019 68HERH19F02	43		5.	SOLICITATION NUMBER	₹	6. SOLICITATION ISSUE DATE
	R SOLICITATION RMATION CALL:	a.NAME Michael	Fox			b. TELEPHONE 202-564		(No collect calls)	8. OFFER D ET	UE DATE/LOCAL TIME
9. ISSUED BY		·	CODE	HQAD	10. THIS AC	QUISITION IS	X UNR	ESTRICTED OR	SET ASIDE:	% FOR:
William 1200 Pen Mail Cod	Jefferson	rotection Acclinton Bui Avenue, N. 1	lding		VETERA	NE SMALL	(WOSB	N-OWNED SMALL BUSINI) ELIGIBLE UNDER THE V BUSINESS PROGRAM BB	INWO-NAMOW	ED NAICS: 541620  BIZE STANDARD: \$15.0
	OR FOB DESTINA-	12. DISCOUNT TERMS						13b. RATING		
TION UNLES MARKED X SEE SCH	SS BLOCK IS				RA	IS CONTRACT IS TED ORDER UNI AS (15 CFR 700)		14. METHOD OF SOLIC		RFP
15. DELIVER TO		CODE	OAR/OAP	/CAMD	16. ADMINIS	TERED BY				OAD
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17a. CONTRACTO		038086125	FACILIT			NT WILL BE MAD			CODE R	TP FMC
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	1				IS CHE		SEE ADDEN	ĺ		
19. ITEM NO.		SCHEDUL	20. LE OF SUPPLIES/	SERVICES		21. QUANTITY	22. UNIT	23. UNIT PRICE		24. AMOUNT
	This task Order Order the base or reference. commence if the Contrathe Attack	order is is ering Proced contract ter. The effect is July 9, 2	rogram ( sued in ures and ms and o ive date 019.  perform ement of	accordance with hereby incorperonditions by for performanting accordance Work (4 pages	orates ice to with					
25. ACCOUNTI	NG AND APPROPR	IATION DATA					26	. TOTAL AWARD AMOU		rt. Use Only)
See sche								\$3,765,	905.01	
				52.212-4. FAR 52.212-3 AI NCE FAR 52.212-4. FAR 52.2			ED. ADD ADDENDA	ENDA	□ ARE	ARE NOT ATTACHED.  ARE NOT ATTACHED.
COPIES TO ALL ITEMS S SHEETS SU	ISSUING OFFICE. SET FORTH OR OTI	D TO SIGN THIS DOCI CONTRACTOR AGREE HERWISE IDENTIFIED RMS AND CONDITIONS FACTOR	ES TO FURNISI ABOVE AND O	HAND DELIVER		HEREIN, IS A	ANY ADDIT	-	WHICH ARE	
					Ji a -			FLFCTRON		
001-1111-1-1	D TITLE OF \$1011-	VT	1	30c. DATE SIGNED	100	GOLDAN	OTING ST	S:GNATUI	RE	DATE COURTS
SUD. NAME ANI	D TITLE OF SIGNEF	( ( ) ype or print)		JUG, DAI E SIGNED		el C. Fo		FICER (Type or print)		31c. DATE SIGNED 07/02/2019

19. ITEM NO.		20. SCHEDULE OF SUPPLIES	S/SERVICES	;		21. QUANTITY	22. UNIT	23. UNIT PI		24. AMOUNT
	the accepte	ed technical propo	sal ar	nd cost esti	mate					
	dated June	11, 2019 (7 pages	) in t	the amount o	f					
	\$3,765,905.01.									
	This is a '	Time-and-Materials	(T&M)	) task order						
	with a tota	al ceiling price c	of \$3,7	765,905.01,						
	which the	Contractor is not	author	rized to exc	eed.					
	The Contrac	ctor exceeds at it	s own	risk.						
	The total	obligated/funded o	eiling	g amount for						
	this order	is currently \$1,0	14,054	4.50. This o	rder					
	is incremen	ntally funded as d	letaile	ed in Attach	ment					
	B Summary	of Amounts and Cei	lings	and Attachm	ent					
	B is hereby	y incorporated (1	page).	•						
	Contracting	g Officer's Repres	entati	ive (COR) fo	ır					
	this task			2.0 (331, 23	_					
	Melissa Pu	chalski, (202) 343	-9882 <b>,</b>	,						
		Melissa@epa.gov		•						
	Alternate	COR:								
	Macy Taylo:	r, (202) 343-9183,	Масу.	.Taylor@epa.	gov					
	The service	es of this order a	re for	r severable.						
	TOCOR: Mel	issa Puchalski								
	Period of	Performance: 07/09	/2019	to 07/08/20	20					
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0001	Base Opera		.coo	DD 07D 10 01	0.2.0					
	_	n No: PR-OAR-19-00	628, E	PR-OAR-19-01	.030					
32a. QUANTIT	Continued YIN COLUMN 21 HAS									
RECEI			D, AND COI	NFORMS TO THE CON	NTRACT, E	EXCEPTAS	NOTE	D: _		
32b. SIGNATU	IRE OF AUTHORIZED	GOVERNMENT REPRESENTATIV	E	32c. DATE	32d. PRIN	NTED NAME	AND 1	TITLE OF AUTH	ORIZED G	OVERNMENT REPRESENTATIVE
32e. MAILING	ADDRESS OF AUTHO	RIZED GOVERNMENT REPRESEI	NTATIVE		32f. TELE	PHONE NUI	MBER	OF AUTHORIZ	ED GOVER	NMENT REPRESENTATIVE
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					32g. E-M/	AIL OF AUTE	IORIZI	ED GOVERNM	ENT REPRE	ESENTATIVE
33. SHIP NUM	BER	34. VOUCHER NUMBER		INT VERIFIED	36. PAYN	IENT				37. CHECK NUMBER
			CORRECT	I FUR	│ │	MPLETE		PARTIAL [	FINAL	
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38. S/R ACCO	UNT NUMBER	39. S/R VOUCHER NUMBER	40. PAID B	BY						
		L CORRECT AND PROPER FOR PAY	1		42a. RI	ECEIVED BY	' (Prim	")		
41b. SIGNATU	IRE AND TITLE OF CE	RTIFYING OFFICER	41	1c. DATE	42b. R	42b. RECEIVED AT (Location)				
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NAME OF OFFEROR OR CONTRACTOR

TEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Accounting Info:  19-20-C-58D5-000A45-2505-1958DC9034-001 BFY: 19 EFY: 20 Fund: C Budget Org: 58D5 Program (PRC):  000A45 Budget (BOC): 2505 DCN - Line ID:  1958DC9034-001 Funding Flag: Partial Funded: \$1,000,000.00 Accounting Info:  19-E1-53GS-000A04XPM-4183-1953PM9072-001 BFY: 19 Fund: E1 Budget Org: 53GS Program (PRC):  000A04XPM Budget (BOC): 4183 DCN - Line ID:  1953PM9072-001 Funding Flag: Partial Funded: \$14,054.50				

# ATTACHMENT A Statement of Work

Title: CASTNET Base Program (3003)

**Contractor:** Wood E&IS, Inc.

**Contract #:** EP-W-16-015

**Task Order #:** 68HERH19F0243

**Period of Performance:** 7/9/2019 to 7/8/2020

# **EPA Key Personnel**

## Task Order Project Officer (TOPO)/Contract Level Project Officer (PO):

Melissa Puchalski Clean Air Markets Division (OAP/OAR/CAMD) 1200 Pennsylvania Ave., NW Mail Code 6204M Washington, DC 20460

phone: (202) 343-9882

email: puchalski.melissa@epa.gov

### **Alternate TOPO:**

Taylor Macy Clean Air Markets Division (OAP/OAR/CAMD) 1200 Pennsylvania Ave., NW Mail Code 6204M Washington, DC 20460 phone: (202) 343-9183 email: macy.taylor@epa.gov

# **Contracting Officer (CO):**

Mike Fox
Contracting Officer
Administrative Contract Service Center
1200 Pennsylvania Ave N.W.
Mail Code 3803R
Washington DC 20460

phone: (202) 564-2640

email: Fox.Michael@epa.gov

#### STATEMENT OF WORK

#### I. INTRODUCTION

The Clean Air Status and Trends Network (CASTNET) is a long-term environmental monitoring network that measures changes in ambient air quality and assesses atmospheric deposition over broad geographic regions of the U.S. (<a href="https://www.epa.gov/castnet">https://www.epa.gov/castnet</a>). Operating since 1987, CASTNET has evolved into a robust regional monitoring program which currently consists of approximately 95 monitoring stations nationwide. The Environmental Protection Agency (EPA) coordinates the operation of the network in cooperation with numerous federal, tribal, state and local partners.

The primary monitoring objectives of CASTNET are to:

- Provide high quality data on atmospheric deposition, rural ground level ozone and other forms of atmospheric pollution;
- Support the primary and secondary ozone NAAQS and provide data on NAAQS compliance in rural areas;
- Monitor the status and trends in regional air quality and atmospheric deposition;
- Assess and report on geographic patterns and long-term, temporal trends in ambient air pollution and atmospheric deposition;
- Improve our understanding of PM and ozone formation;
- Validate and improve atmospheric models;
- Provide data for health-based research and epidemiology studies;
- Assess the effectiveness of EPA's emission reduction programs; and
- Support science and ecosystem studies.

CASTNET sites measure weekly average concentrations of sulfate (SO<sub>4</sub><sup>2-</sup>), nitrate (NO<sub>3</sub><sup>-</sup>), ammonium (NH<sub>4</sub><sup>+</sup>), sulfur dioxide (SO<sub>2</sub>), nitric acid (HNO<sub>3</sub>), chloride (Cl<sup>-</sup>) and the base cations (Na<sup>+</sup>, K<sup>+</sup>, Mg<sup>2+</sup> and Ca<sup>2+</sup>) using a 3-stage filter pack. In addition, each site may make ancillary measurements, including hourly ozone (O<sub>3</sub>), hourly meteorology, ammonia (NH<sub>3</sub>) gas using passive devices, and trace-level gases. Trace-level gas monitors include reactive oxidized nitrogen (NOy), nitric oxide (NO), sulfur dioxide (SO<sub>2</sub>) and carbon monoxide (CO). CASTNET O<sub>3</sub>, meteorological, and trace gas measurements follow the requirements in the Code of Federal Regulations (CFR) and EPA's Quality Assurance Handbook.

### II. PURPOSE

The primary purpose of this task order is to provide for routine activities and provisions associated with operating the CASTNET base program. All tasks shall be performed in accordance with the contract's Statement of Work.

Tasks performed under this task order will cover the operation of all sites, excluding those Tribal sites covered under Task Order 3004.

#### III. CONTRACT LEVEL STATEMENT OF WORK REFERENCE

The tasks to be performed under this task order are consistent with the activities authorized in CLINs 1 through 21 of the contract's Statement of Work.

#### IV. TECHNICAL DIRECTION

## 1. Prepare a Technical Proposal and Cost Estimate

The Contractor shall prepare a Task Order Technical Proposal and Cost Estimate (TP&CE) in accordance with the terms and conditions of contract clauses B.1 entitled Fixed Rates for Services – Indefinite delivery/Indefinite quantity and submit to EPA. The TP&CE shall be delivered within 10 days after the issuance of the task order SOW.

Quality assurance reviews and management performance reviews shall be executed to ensure the requirements are being met in the contractor's SOW and technical proposal including reviews of financial management activities, deliverables and technical services.

## 2. Base Operations

The contractor shall perform the tasks and subtasks listed in the SOW for Task Order 3003 as delineated in the CASTNET V contract SOW and the contractor's technical proposal. Descriptions of the technical approach and methods are found in the CASTNET Quality Assurance Project Plan (QAPP) v 9.1 and the technical proposal. The number of applicable sites, units and estimated hours for the CLINs, as described in the contract's SOW, that shall be delivered are as follows:

CLIN	DESCRIPTION	SITES	UNITS	HOURS
1	Core Operations	1	12	14,890
2	Dry Dep Filterpack w/ operator	49	588	3,416
3	Dry Dep Filterpack w/o operator	8	96	558
4	Ozone Monitoring w/ operator	48	576	3,364
5	Ozone Monitoring w/o operator	3	36	210
6	Meteorology w/ operator	2	24	12
8	Trace Gas NOy w/ operator	4	48	74
9	Trace Gas NOy w/o operator	2	24	37
10	Trace Gas SO2 w/ operator	1	12	8
12	Trace Gas CO w/ operator	1	12	5
14	Filter Media Analysis	57	3,369	-
15	Artificial precipitation audit sample	1	15	-
16	Operation of an NADP AMoN site co-located w/ CASTNET	31	372	56
17	Operation of an NADP NTN site co-located w/ CASTNET	17	204	20
18	Operation of an NADP NTN site not co-located w/ CASTNET	6	72	7
19	Operation of IMPROVE sampler co-located with CASTNET	2	24	2
20	Acquisition and Management of NPS, BLM-WSO Data	32	384	88
	TOTAL HOURS			22,749

Attachment 1 describes which CLINs shall be performed at each site. The table above is a summary of Attachment 1. The table above shows SITE/YEAR as the number of CLINs ordered for that site per *12-months*. The UNIT is the number of site-months ordered for each CLIN.

#### V. DELIVERABLES AND SCHEDULE

#### 1. Proposal

The contractor shall deliver a Task Order Technical and Cost Proposal in accordance with clause B.7 Task Order Ordering Procedures of the contract. The proposal shall be submitted 10 days after receipt of the SOW.

## 2. Monthly Progress Report

The contractor shall prepare and submit a monthly progress report by the 15<sup>th</sup> of each month summarizing the progress made, issues encountered or expected, work planned for the next reporting period and costs. These reports shall comply with contract clauses F.5 Reports of Work and F.1 Monthly Progress Report. Reports shall be delivered electronically.

#### 3. Additional Deliverables

The contractor shall deliver the following reports electronically, as described in the contract SOW:

Daily Data Submittal

Monthly Data Submittal

Quarterly Data Submittal

Quarterly Data Report

Annual Report

24 hours from collection of data

At the end of each month

120 days after each quarter

90 days after each quarter

Draft October 1, 2019

QA Quarterly Report 30 days after completion of quarters 1, 2, 3 QA Annual Report 30 days after completion of quarter 4

QAPP Reviewed annually and updated as needed, draft submitted by November 1, 2019

#### **Distribution of Deliverables:**

Addressee	Copies
EPA Contracting Officer (Mike Fox)	1
EPA Project Officer (Melissa Puchalski)	1
EPA Alternate (Taylor Macy)	1

Contract#: EP-W-16-015 Task Order#: 68HERH19F0243

Project#: 3003

# ATTACHMENT B SUMMARY OF TASK ORDER OBLIGATION/CEILING AMOUNTS

Total Funding/Obligation Amounts								
Period	<b>Previous Amount</b>	This Action	Amount					
Base Period	-	-	\$1,014,054.50					
Total			\$1,014,054.50					

Total Task Order Ceiling								
Period	Previous Amount	This Action	Amount					
Base Period	-	-	\$3,765,905.01					
Total	-	-	\$3,765,905.01					

AMENDMENT OF SOLICITATION/MODIFIC	ATION OF CO	NTRACT		CONTRACT ID CODE	PAGE	OF PAGES
2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE	DATE	4. RE	L QUISITION/PURCHASE REQ. NO.	5. PROJECT	NO. (If applicable)
P00001	See Bloo	k 16C	PR-C	AR-19-01191	3003	
6. ISSUED BY CODE	HQAD		7. AD	MINISTERED BY (If other than Item 6)	CODE	
HQAD US Environmental Protection William Jefferson Clinton Bu 1200 Pennsylvania Avenue, N Mail Code: 3803R Washington DC 20460	uilding					
8. NAME AND ADDRESS OF CONTRACTOR (No., stree	t, county, State and .	ZIP Code)	, J9A	. AMENDMENT OF SOLICITATION NO.		
WOOD ENVIRONMENT & INFRASTRUCTI Attn: JOSEPH FARRELL 751 Arbor Way Ste 180 Blue Bell PA 194221972		ONS, INC.	9E x 10 E 6	DATED (SEE ITEM 11)  A. MODIFICATION OF CONTRACT/ORDER NOTE: We will be supported by the contract of the contr	0.	
CODE 038086125	FACILITY CODE			7/02/2019		
				MENTS OF SOLICITATIONS		
	change an offer a nce to the solicita uired)	Iready submitted , such of tion and this amendment  Net	inange in and is In a	may be made by letter or electronic communicate received prior to the opening hour and date sp	ation, provided ecified. ., 089, 07	'5.00 'EM 14.
C. THIS SUPPLEMENTAL AGREEMEN  D. OTHER (Specify type of modification	T IS ENTERED II	NTO PURSUANT TO AU	THOR		n paying office	,
X EPA-B-32-103 - LIMIT	TATION OF	GOVERNMENT'S	S OF	BLIGATION		
E. IMPORTANT: Contractor ⊠ is not  14. DESCRIPTION OF AMENDMENT/MODIFICATION  DUNS Number: 038086125	7447	E1		copies to the issuing colicitation/contract subject matter where feasib		
The purpose of this modifica \$1,089,075.00 to this task of TOCOR: Melissa Puchalski LIST OF CHANGES:	rder.		nent	al funding in the amoun <sup>.</sup>	t of	
Reason for Modification: Fun Obligated Amount for this Mc New Total Obligated Amount f Incremental Funded Amount ch	dification of this A	on: \$1,089,07				
\$1,014,054.50 to \$2,103,129.	_					
CHANGES FOR LINE ITEM NUMBER						
Continued						
Except as provided herein, all terms and conditions of the 15A. NAME AND TITLE OF SIGNER (Type or print)	ne document refe	renced in Item 9 A or 10A	16A.	retofore changed, remains unchanged and in for NAME AND TITLE OF CONTRACTING OFFICE chael C. Fox		
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED		UNITED STATES OF AMERICA	LECTRONIC	16C. DATE SIGNED
(Signature of person authorized to sign)			$\left[\frac{d^{2}G}{dt^{2}}\right]$		S:GNATURE	07/17/2019

 CONTINUATION SHEET
 REFERENCE NO. OF DOCUMENT BEING CONTINUED
 PAGE
 OF

 EP-W-16-015/68HERH19F0243/P00001
 2
 3

NAME OF OFFEROR OR CONTRACTOR

M NO.	SUPPLIES/SERVICES	QUANTITY		UNIT PRICE	AMOUNT
A)	(B)	(C)	(D)	(E)	(F)
	Obligated Amount for this Modification:				
	\$1,089,075.00				
	Incremental Funded Amount changed from				
	\$1,014,054.50 to \$2,103,129.50				
	NEW ACCOUNTING CODE ADDED:				
	Account code:				
	18-19-B-58E6-000A46XP3-2505-1958EE9122-001				
	Beginning FiscalYear 18				
	Ending Fiscal Year 19				
	Fund (Appropriation) B				
	Budget Organization 58E6				
	Program (PRC) 000A46XP3				
	Budget (BOC) 2505				
	Job # (Site/Project)				
	Cost Organization				
	DCN-LineID 1958EE9122-001				
	Amount: \$878,970.00				
	Subject To Funding: N				
	Payment Address:				
	RTP Finance Center				
	US Environmental Protection Agency				
	RTP-Finance Center (AA216-01)				
	109 TW Alexander Drive				
	www2.epa.gov/financial/contracts				
	Durham NC 27711				
	Durnam NC 27/11				
	NEW ACCOUNTING CODE ADDED:				
	Account code:				
	18-19-B-58E8-000A46-2505-1958EE9122-002				
	Beginning FiscalYear 18				
	Ending Fiscal Year 19				
	Fund (Appropriation) B				
	Budget Organization 58E8				
	Program (PRC) 000A46				
	Budget (BOC) 2505				
	Job # (Site/Project)				
	Cost Organization				
	DCN-LineID 1958EE9122-002				
	Amount: \$210,105.00				
	Subject To Funding: N				
	Payment Address:				
	rayment Address.				
	Continued				
			1 I		

 CONTINUATION SHEET
 REFERENCE NO. OF DOCUMENT BEING CONTINUED
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 OF

 EP-W-16-015/68HERH19F0243/P00001
 3
 3

NAME OF OFFEROR OR CONTRACTOR

TEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	<b>UNIT</b> (D)	UNIT PRICE (E)	AMOUNT (F)
	Payment:				
	RTP Finance Center				
	US Environmental Protection Agency				
	RTP-Finance Center (AA216-01)				
	109 TW Alexander Drive				
	www2.epa.gov/financial/contracts				
	Durham NC 27711 Period of Performance: 07/09/2019 to 07/08/2020				
	Period of Periormance: 07/09/2019 to 07/08/2020				

Contract#: EP-W-16-015 Task Order#: 68HERH19F0243

Project#: 3003

Modification#: P00001

# ATTACHMENT B SUMMARY OF TASK ORDER OBLIGATION/CEILING AMOUNTS

Total Funding/Obligation Amounts								
Period	Previous Amount	This Action	Amount					
Base Period	\$1,014,054.50	\$1,089,075.00	\$2,103,129.50					
Total	\$1,014,054.50	\$1,089,075.00	\$2,103,129.50					

Total Task Order Ceiling								
Period	Previous Amount	This Action	Amount					
Base Period	-	-	\$3,765,905.01					
Total	-	-	\$3,765,905.01					

AMENDMENT OF SOLICITATION/MODIFIC	NTRACT		OF PAGES							
2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE	DATE	4. REQ	UISITION/PURCHASE REQ. NO.	5. PROJECT	NO. (If applicable)				
P00002	See Bloo	k 16C	See	Schedule	3003					
6. ISSUED BY CODE	HQAD		7. ADN	MINISTERED BY (If other than Item 6)	CODE					
HQAD US Environmental Protection William Jefferson Clinton Bu 1200 Pennsylvania Avenue, N. Mail Code: 3803R Washington DC 20460	uilding									
8. NAME AND ADDRESS OF CONTRACTOR (No., street	t, county, State and	ZIP Code)	ν <sub>λ</sub> 9Α.	AMENDMENT OF SOLICITATION NO.		1				
WOOD ENVIRONMENT & INFRASTRUCTU Attn: JOSEPH FARRELL 751 Arbor Way Ste 180 Blue Bell PA 194221972	DNS, INC.	9B. DATED (SEE ITEM 11)  10A. MODIFICATION OF CONTRACT/ORDER NO. EP-W-16-015 68HERH19F0243 10B. DATED (SEE ITEM 13)								
CODE 038086125	FACILITY CODI	<u> </u>	0	7/02/2019						
	11. THIS ITE	M ONLY APPLIES TO AN		ENTS OF SOLICITATIONS						
CHECK ONE A. THIS CHANGE ORDER IS ISSUED ORDER NO. IN ITEM 10A.	RECEIPT OF OI change an offer a nce to the solicita uired)  IODIFICATION OI PURSUANT TO:	FERS PRIOR TO THE Haready submitted , such a tion and this amendment, Net  FCONTRACTS/ORDERS	HOUR A hange and is Inc	ND DATE SPECIFIED MAY RESULT IN REJE may be made by letter or electronic communica received prior to the opening hour and date sp rease: \$1  DIFFIES THE CONTRACT/ORDER NO. AS DES ES SET FORTH IN ITEM 14 ARE MADE IN TH	CTION OF YOur ation, provided ecified.  30,621.  SCRIBED IN IT	95 F <b>EM 14.</b>				
appropriation data, etc.) SET FORTI  C. THIS SUPPLEMENTAL AGREEMEN  D. OTHER (Specify type of modification	IT IS ENTERED II			/IINISTRATIVE CHANGES (such as changes in OF FAR 43.103(b). 	r paying omce	,				
X EPA-B-32-103 - LIMIT	TATION OF	GOVERNMENT'S	S OB	LIGATION						
E. IMPORTANT: Contractor X is not	is required to	sign this document and	return	copies to the issuing	office.					
14. DESCRIPTION OF AMENDMENT/MODIFICATION DUNS Number: 038086125 The purpose of this modifica						of				
\$130,621.95 to this task ord	ler.									
TOCOR: Melissa Puchalski LIST OF CHANGES:	W	7.41.1.4.4								
Reason for Modification: Fun Obligated Amount for this Mo New Total Obligated Amount f	dification	on: \$130,621.		.45						
Incremental Funded Amount ch		from	, , , .							
\$2,103,129.50 to \$2,233,751.	_									
CHANGES FOR LINE ITEM NUMBER										
Continued										
Except as provided herein, all terms and conditions of the 15A. NAME AND TITLE OF SIGNER (Type or print)	ne document refe	renced in Item 9 A or 10A	16A. I	etofore changed, remains unchanged and in formal and the following of the second of th						
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED		JNITED STATES OF AMERICA	FOTRONIC	16C. DATE SIGNED				
(Signature of person authorized to sign)			$f^{*}q$		S:GNATURE	09/10/2019				

CONTINUATION SHEET REFERENCE NO. OF DOCUMENT BEING CONTINUED EP-W-16-015/68HERH19F0243/P00002

PAGE OF

3

NAME OF OFFEROR OR CONTRACTOR

ITEM NO.	SUPPLIES/SERVICES	QUANTITY		UNIT PRICE	AMOUNT
(A)	(B)	(C)	(D)	(E)	(F)
	Obligated Amount for this Modification:				
	\$130,621.95				
	Incremental Funded Amount changed from				
	\$2,103,129.50 to \$2,233,751.45				
	NEW ACCOUNTING CODE ADDED.				
	NEW ACCOUNTING CODE ADDED: Account code:				
	19-20-BR-58D5X03-000A45-2505-1958DC9083-001				
	Beginning FiscalYear 19				
	Ending Fiscal Year 20				
	Fund (Appropriation) BR				
	Budget Organization 58D5X03				
	Program (PRC) 000A45				
	Budget (BOC) 2505				
	Job # (Site/Project)				
	Cost Organization				
	DCN-LineID 1958DC9083-001				
	Amount: \$13,460.00				
	Subject To Funding: N				
	Payment Address:				
	RTP Finance Center				
	US Environmental Protection Agency				
	RTP-Finance Center (AA216-01)				
	109 TW Alexander Drive				
	www2.epa.gov/financial/contracts				
	Durham NC 27711				
	NEW ACCOUNTING CODE ADDED:				
	Account code:				
	19-20-C-26CF000-000FK6XR1-2532-26A6A-1926CFE066-00				
	11				
	Beginning FiscalYear 19				
	Ending Fiscal Year 20				
	Fund (Appropriation) C				
	Budget Organization 26CF000				
	Program (PRC) 000FK6XR1				
	Budget (BOC) 2532				
	Job # (Site/Project)				
	Cost Organization 26A6A				
	DCN-LineID 1926CFE066-001				
	Amount: \$42,161.95				
	Subject To Funding: N				
	Payment Address:				
	RTP Finance Center				
	US Environmental Protection Agency				
	RTP-Finance Center (AA216-01)				
	109 TW Alexander Drive				
	www2.epa.gov/financial/contracts				
	Durham NC 27711				
	Continued				

 CONTINUATION SHEET
 REFERENCE NO. OF DOCUMENT BEING CONTINUED
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 OF

 EP-W-16-015/68HERH19F0243/P00002
 3
 3

NAME OF OFFEROR OR CONTRACTOR

ITEM NO.	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
(A)	(B)	(C)	(D)	(E)	(F)
	MINISTERS OF SE AN ARRONAGE SCHOOLS AND SECURE AND SECURE AND SECURE AS A SECURE AS A				
	NEW ACCOUNTING CODE ADDED:				
	Account code:				
	19-20-C-26CF000-000FK6XR2-2532-26A6A-1926CFE066-00				
	2				
	Beginning FiscalYear 19				
	Ending Fiscal Year 20				
	Fund (Appropriation) C				
	Budget Organization 26CF000				
	Program (PRC) 000FK6XR2				
	Budget (BOC) 2532				
	Job # (Site/Project)				
	Cost Organization 26A6A				
	DCN-LineID 1926CFE066-002				
	Amount: \$75,000.00				
	Subject To Funding: N				
	Payment Address:				
	RTP Finance Center				
	US Environmental Protection Agency				
	RTP-Finance Center (AA216-01)				
	109 TW Alexander Drive				
	www2.epa.gov/financial/contracts				
	Durham NC 27711				
	Payment:				
	RTP Finance Center				
	US Environmental Protection Agency				
	RTP-Finance Center (AA216-01)				
	109 TW Alexander Drive				
	www2.epa.gov/financial/contracts				
	Durham NC 27711				
	Period of Performance: 07/09/2019 to 07/08/2020				
			l		

Contract#: EP-W-16-015 Task Order#: 68HERH19F0243

Project#: 3003

Modification#: P00002

# ATTACHMENT B SUMMARY OF TASK ORDER OBLIGATION/CEILING AMOUNTS

Total Funding/Obligation Amounts							
Period	Previous Amount	This Action	Amount				
Base Period	\$2,103,129.50	\$130,621.95	\$2,233,751.45				
Total	\$2,103,129.50	\$130,621.95	\$2,233,751.45				

Total Task Order Ceiling							
Period	Previous Amount	This Action	Amount				
Base Period	-	-	\$3,765,905.01				
Total	-	-	\$3,765,905.01				

AMENDMENT OF SOLICITATION/MODIFIC	ATION OF CO	ONTRACT	1. CC	NTRACT ID CODE	PAGE	OF PAGES			
2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE	DATE	4. REQUISITION	N/PURCHASE REQ. NO.	5. PROJECT	Γ NO. (If applicable)			
P00003	See Bloo	ck 16C_	PR-OAR-2	0-00165	3003				
6. ISSUED BY CODE	HQAD		7. ADMINISTERED BY (If other than Item 6) CODE						
HQAD US Environmental Protection William Jefferson Clinton Bu 1200 Pennsylvania Avenue, N. Mail Code: 3803R Washington DC 20460	ilding								
8. NAME AND ADDRESS OF CONTRACTOR (No., street	t, county, State and	ZIP Code)	9A. AMENI	DMENT OF SOLICITATION NO.					
WOOD ENVIRONMENT & INFRASTRUCTU Attn: JOSEPH FARRELL 751 Arbor Way Ste 180 Blue Bell PA 194221972	ons, inc.	9B. DATED (SEE ITEM 11)  × 10A. MODIFICATION OF CONTRACT/ORDER NO. EP-W-16-015 68HERH19F0243							
CODE 038086125	FACILITY CODI		445 - 45 - 45 - 45 - 45	D (SEE ITEM 13)					
ODE 038086125		EM ONLY APPLIES TO AN		/2019					
separate letter or electronic communication which incl RECEIVED AT THE PLACE DESIGNATED FOR THE OFFER. If by virtue of this amendment you desire to each letter or electronic communication makes referent 12. ACCOUNTING AND APPROPRIATION DATA (If required see Schedule  13. THIS ITEM ONLY APPLIES TO M	RECEIPT OF OI change an offer a nce to the solicita uired)	FFERS PRIOR TO THE Halready submitted , such contion and this amendment,	HOUR AND DA change may be t, and is receive Increas	TE SPECIFIED MAY RESULT IN R made by letter or electronic commind prior to the opening hour and dated:	REJECTION OF YOU unication, provided to specified.	OUR d			
CHECK ONE  A. THIS CHANGE ORDER IS ISSUED FORDER NO. IN ITEM 10A.  B. THE ABOVE NUMBERED CONTRACT Appropriation data, etc.) SET FORTH	CT/ORDER IS MO H IN ITEM 14, PU	ODIFIED TO REFLECT TI	THE ADMINISTI HORITY OF FAR						
D. OTHER (Specify type of modification	and authority)								
X EPA-B-32-103 - LIMIT	• /	COVERNMENT	S OBLICA	TION					
	20.00								
E. IMPORTANT: Contractor  is not   14. DESCRIPTION OF AMENDMENT/MODIFICATION   DUNS Number: 038086125		8		copies to the iss	8				
The purpose of this modifica	tion is t	to obligate i	incremen	tal funding in the	e amount	of			
\$450,000.00 to this task ord	er.								
TOCOR: Melissa Puchalski									
LIST OF CHANGES:									
Reason for Modification: Fun Obligated Amount for this Mo	dificatio	on: \$450,000.							
New Total Obligated Amount f			3,751.45						
Incremental Funded Amount ch	_	from							
\$2,233,751.45 to \$2,683,751.									
CHANGES FOR LINE ITEM NUMBER	: 1								
Continued			AL AND ATTENDED						
Except as provided herein, all terms and conditions of the 15A. NAME AND TITLE OF SIGNER (Type or print)	ne document refe	renced in Item 9 A or 10A		changed, remains unchanged and AND TITLE OF CONTRACTING O					
			Michael	C. Fox					
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED	16B. UNITED	STATES OF AMERICA	EL FOTRONIC S:GNATURE	the second second second second			
(Signature of parson authorized to sign)			G.7 377	(Signature of Contracting Officer)		11/12/2019			

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NAME OF OFFEROR OR CONTRACTOR

M NO.	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
A)	(B)	(C)	(D)	(E)	(F)
	Obligated Amount for this Modification:				
	\$450,000.00				
	Incremental Funded Amount changed from				
	\$2,233,751.45 to \$2,683,751.45				
	NEW ACCOUNTING CODE ADDED:				
	Account code:				
	20-21-C-58D5-000A45-2505-2058DC0010-001				
	Beginning FiscalYear 20				
	Ending Fiscal Year 21				
	Fund (Appropriation) C				
	Budget Organization 58D5				
	Program (PRC) 000A45				
	Budget (BOC) 2505				
	Job # (Site/Project)				
	Cost Organization				
	DCN-LineID 2058DC0010-001				
	Amount: \$450,000.00				
	Subject To Funding: N				
	Payment Address:				
	RTP Finance Center				
	US Environmental Protection Agency				
	RTP-Finance Center (AA216-01)				
	109 TW Alexander Drive				
	www2.epa.gov/financial/contracts				
	Durham NC 27711				
	Payment:				
	RTP Finance Center				
	US Environmental Protection Agency				
	RTP-Finance Center (AA216-01)				
	109 TW Alexander Drive				
	www2.epa.gov/financial/contracts				
	Durham NC 27711				
	Period of Performance: 07/09/2019 to 07/08/2020				
			1		

Contract#: EP-W-16-015

Task Order#: 68HERH19F0243 (3003)

Modification#: P00003

# ATTACHMENT B SUMMARY OF TASK ORDER OBLIGATION/CEILING AMOUNTS

Total Funding/Obligation Amounts								
Period	<b>Previous Amount</b>	This Action	Amount					
Base Period	\$2,233,751.45	\$450,000.00	\$2,683,751.45					
Total	\$2,233,751.45	\$450,000.00	\$2,683,751.45					

Total Task Order Ceiling								
Period	Previous Amount	This Action	Amount					
Base Period	-	-	\$3,765,905.01					
Total	-	-	\$3,765,905.01					

AMENDMENT OF SOLICITATION/MODIFIC	ATION OF CO	ONTRACT	1. CON	TRACT ID CODE	PAGE	OF PAGES			
2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE	DATE	4. REQUISITION	I/PURCHASE REQ. NO.	5. PROJECT	∠ 「NO. (If applicable)			
P00004	See Bloo	ck 16C	PR-OAR-20	0-00182	3003				
6. ISSUED BY CODE	HQAD		7. ADMINISTERED BY (If other than Item 6) CODE						
HQAD US Environmental Protection William Jefferson Clinton Bu 1200 Pennsylvania Avenue, N. Mail Code: 3803R Washington DC 20460	uilding								
8. NAME AND ADDRESS OF CONTRACTOR (No., street	t, county, State and	ZIP Code)	/ J9A. AMENDA	MENT OF SOLICITATION NO.					
WOOD ENVIRONMENT & INFRASTRUCTU Attn: JOSEPH FARRELL 751 Arbor Way Ste 180 Blue Bell PA 194221972	ONS, INC.	y 10A. MODIFICATION OF CONTRACT/ORDER NO. EP-W-16-015 68HERH19F0243							
CODE 038086125	FACILITY COD	<u> </u>	400 A	(SEE ITEM 13)					
		EM ONLY APPLIES TO AM	07/02/						
separate letter or electronic communication which incl RECEIVED AT THE PLACE DESIGNATED FOR THE OFFER. If by virtue of this amendment you desire to each letter or electronic communication makes referee  12. ACCOUNTING AND APPROPRIATION DATA (If req	ludes a reference RECEIPT OF O change an offer a nce to the solicita	e to the solicitation and am FFERS PRIOR TO THE H already submitted , such c ation and this amendment,	nendment numbe HOUR AND DATE change may be m	E SPECIFIED MAY RESULT IN R nade by letter or electronic commu prior to the opening hour and date	WLEDGEMENT EJECTION OF YOU Unication, provided	TO BE DUR d			
See Schedule  13. THIS ITEM ONLY APPLIES TO M									
A. THIS CHANGE ORDER IS ISSUED I ORDER NO. IN ITEM 10A.  B. THE ABOVE NUMBERED CONTRAC appropriation data, etc.) SET FORTH  C. THIS SUPPLEMENTAL AGREEMEN	CT/ORDER IS MO H IN ITEM 14, PU	ODIFIED TO REFLECT TO IRSUANT TO THE AUTH	THE ADMINISTRA IORITY OF FAR 4						
D. OTHER (Specify type of modification	•	_							
X EPA-B-32-103 - LIMIT	TATION OF	GOVERNMENT'S	S OBLIGAT	'ION					
E. IMPORTANT: Contractor ☑ is not  14. DESCRIPTION OF AMENDMENT/MODIFICATION  DUNS Number: 038086125		83		copies to the iss /contract subject matter where fee	P)				
The purpose of this modifica	tion is	to obligate i	increment	al funding in the	amount	of			
\$872,079.29 to this task ord	er.								
TOCOR: Melissa Puchalski									
LIST OF CHANGES:									
Reason for Modification: Fun Obligated Amount for this Mo	dificati	on: \$872,079.							
New Total Obligated Amount f			,830.74						
Incremental Funded Amount ch	_	from							
\$2,683,751.45 to \$3,555,830.									
CHANGES FOR LINE ITEM NUMBER	: 1								
Continued									
Except as provided herein, all terms and conditions of the	ne document refe	renced in Item 9 A or 10A							
15A. NAME AND TITLE OF SIGNER (Type or print)			Michael	ND TITLE OF CONTRACTING OF	·FIUEK (Type or p	энні)			
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED	16B. UNITED S	STATES OF AMERICA	EL FOTRONIC 5:GNATURE	16C. DATE SIGNED			
(Signature of parson authorized to airm)			****	(Signature of Contracting Officer)	<del></del>	11/20/2019			

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 REFERENCE NO. OF DOCUMENT BEING CONTINUED
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NAME OF OFFEROR OR CONTRACTOR

EM NO.	SUPPLIES/SERVICES	QUANTITY		UNIT PRICE	AMOUNT
(A)	(B)	(C)	(D)	(E)	(F)
	Obligated Amount for this Modification:				
	\$872,079.29				
	Incremental Funded Amount changed from				
	\$2,683,751.45 to \$3,555,830.74				
	NEW ACCOUNTING CODE ADDED:				
	Account code:				
	19-20-C-58D5-000A45-2505-2058DC0013-001				
	Beginning FiscalYear 19				
	Ending Fiscal Year 20				
	Fund (Appropriation) C				
	Budget Organization 58D5				
	Program (PRC) 000A45				
	Budget (BOC) 2505				
	Job # (Site/Project)				
	Cost Organization				
	DCN-LineID 2058DC0013-001				
	Amount: \$872,079.29				
	Subject To Funding: N				
	Payment Address:				
	RTP Finance Center				
	US Environmental Protection Agency				
	RTP-Finance Center (AA216-01)				
	109 TW Alexander Drive				
	www2.epa.gov/financial/contracts				
	Durham NC 27711				
	Payment:				
	RTP Finance Center				
	ADDRESS CATALOG STATE CONTRACTOR AND A CATALOG STATE CONTRACTOR CATALOG STATE CONTRACTOR CATALOG STATE CONTRACTOR CATALOG STATE ST				
	US Environmental Protection Agency RTP-Finance Center (AA216-01)				
	109 TW Alexander Drive				
	www2.epa.gov/financial/contracts				
	Durham NC 27711				
	Period of Performance: 07/09/2019 to 07/08/2020				
	Ferrod of Ferrormance: 07/09/2019 to 07/08/2020				
		1	1		

AMENDMENT OF SOLICITATION/MODIFIC	ONTRACT		CONTRACT ID CODE	OF PAGES					
2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE	DATE	4. RE	L QUISITION/PURCHASE REQ. NO.	5. PROJECT	NO. (If applicable)			
P00005	See Bloo	ck 16C	PR-(	DAR-20-00803	3003				
6. ISSUED BY CODE			7. AD	MINISTERED BY (If other than Item 6)	CODE				
HQAD US Environmental Protection William Jefferson Clinton Bo 1200 Pennsylvania Avenue, N Mail Code: 3803R Washington DC 20460	uilding								
8. NAME AND ADDRESS OF CONTRACTOR (No., stree	t, county, State and	ZIP Code)	(v) 9A	. AMENDMENT OF SOLICITATION NO.					
WOOD ENVIRONMENT & INFRASTRUCTI Attn: JOSEPH FARRELL 751 Arbor Way Ste 180 Blue Bell PA 194221972	ONS, INC.	9B. DATED (SEE ITEM 11)  ** 10A. MODIFICATION OF CONTRACT/ORDER NO. EP-W-16-015 68HERH19F0243							
CODE 038086125	FACILITY COD	E		B. DATED (SEE ITEM 13) 17/02/2019					
				MENTS OF SOLICITATIONS					
CHECK ONE A. THIS CHANGE ORDER IS ISSUED ORDER NO. IN ITEM 10A.	change an offer a nee to the solicita juired)  MODIFICATION O  PURSUANT TO:	already submitted , such continuent, and this amendment, Net  F CONTRACTS/ORDERS (Specify authority) THE (	In C	may be made by letter or electronic communical received prior to the opening hour and date sp	ation, provided ecified. 210,074.	. 27 FEM 14.			
C. THIS SUPPLEMENTAL AGREEMEN  D. OTHER (Specify type of modification	IT IS ENTERED I								
X EPA-B-32-103 - LIMI	ration of	GOVERNMENT'S	S OF	BLIGATION					
E. IMPORTANT: Contractor X is not	is required t	o sign this document and	return	copies to the issuing	office.				
14. DESCRIPTION OF AMENDMENT/MODIFICATION DUNS Number: 038086125 The purpose of this modifica	(Organized by U	CF section headings, incl	uding	solicitation/contract subject matter where feasib	le.)	of			
\$210,074.27 to fully fund th		\ <del>-</del>		<b>5</b>					
TOCOR: Melissa Puchalski LIST OF CHANGES:									
Reason for Modification: Fur Obligated Amount for this Mc New Total Obligated Amount f	dificati	on: \$210,074.		5.01					
Incremental Funded Amount ch		from	, , , ,	5. T T M					
\$3,555,830.74 to \$3,765,905.	_								
CHANGES FOR LINE ITEM NUMBER									
Continued									
Except as provided herein, all terms and conditions of to 15A. NAME AND TITLE OF SIGNER (Type or print)	he document refe	erenced in Item 9 A or 10A	10A, as heretofore changed, remains unchanged and in full force and effect.  16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)  Michael C. Fox						
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED		UNITED STATES OF AMERICA	FETRONIC	16C. DATE SIGNED			
(Signature of person authorized to sign)	-		7.5		S:GNATURE	04/22/2020			

 CONTINUATION SHEET
 REFERENCE NO. OF DOCUMENT BEING CONTINUED
 PAGE
 OF

 EP-W-16-015/68HERH19F0243/P00005
 2
 3

NAME OF OFFEROR OR CONTRACTOR

EM NO.	SUPPLIES/SERVICES	QUANTITY		UNIT PRICE	AMOUNT
(A)	(B)	(C)	(D)	(E)	(F)
	Obligated Amount for this Modification:				
	\$210,074.27				
	Incremental Funded Amount changed from				
	\$3,555,830.74 to \$3,765,905.01				
	NEW ACCOUNTING CODE ADDED:				
	Account code:				
	20-21-C-58D5-000A45-2505-2058DC0047-001				
	Beginning FiscalYear 20				
	Ending Fiscal Year 21				
	Fund (Appropriation) C				
	Budget Organization 58D5				
	Program (PRC) 000A45				
	Budget (BOC) 2505				
	Job # (Site/Project)				
	Cost Organization				
	DCN-LineID 2058DC0047-001				
	Amount: \$210,074.27				
	Subject To Funding: N				
	Payment Address:				
	RTP Finance Center				
	US Environmental Protection Agency				
	RTP-Finance Center (AA216-01)				
	109 TW Alexander Drive				
	www2.epa.gov/financial/contracts				
	Durham NC 27711				
	Payment:				
	RTP Finance Center				
	US Environmental Protection Agency				
	RTP-Finance Center (AA216-01)				
	109 TW Alexander Drive				
	www2.epa.gov/financial/contracts				
	Durham NC 27711				
	Period of Performance: 07/09/2019 to 07/08/2020				
			1		

EP-W-16-015

Order#: 68HERH19F0243 (3003)

Modification: P00005

# ATTACHMENT B SUMMARY OF TASK ORDER OBLIGATION/CEILING AMOUNTS

Total Funding/Obligation Amounts								
Period	Previous Amount	This Action	Amount					
Base Period	\$3,555,830.7	\$210,074.27	\$3,765,905.01					
Total	\$3,555,830.7	\$210,074.27	\$3,765,905.01					

Total Task Order Ceiling								
Period	Previous Amount	This Action	Amount					
Base Period	-	-	\$3,765,905.01					
Total	-	-	\$3,765,905.01					

s		ONTRACT/ORDE				REQUISITION NU			PAGE OF	Em.
O CONTRACT NO		R TO COMPLETE BLO	OCKS 12, 17, 23,	24, & 30 4. ORDER NUMBER	PF	R-OAR-19	APEREN CONTRACT	SOLICITATION NUMBE	1 1	6. SOLICITATION
2. CONTRACT NO EP-W-16-	-015		EFFECTIVE DATI	THE THE PROPERTY AND PROPERTY AND	244		5.	SOLICITATION NUMBE	ĸ	ISSUE DATE
	R SOLICITATION RMATION CALL:	a.NAME Michael	Fox	·		b. TELEPHONE 202-564		(No collect calls)	8. OFFER D ET	UE DATE/LOCAL TIME
9. ISSUED BY		•	CODE	HQAD	10. THIS ACC	QUISITION IS	X UNR	ESTRICTED OR	SET ASIDE:	% FOR:
William 1200 Per Mail Coo	Jefferson	rotection Ad Clinton Bui Avenue, N. N	lding		VETERA	NE SMALL	☐ (WOSB	N-OWNED SMALL BUSIN ) ELIGIBLE UNDER THE BUSINESS PROGRAM SB	INWO-NAMOW	ED NAICS:541620 BIZE STANDARD: \$15.0
	FOR FOB DESTINA-	12. DISCOUNT TERMS						13b. RATING		
TION UNLES MARKED  SEE SCI	SS BLOCK IS HEDULE				RA	IS CONTRACT IS TED ORDER UNI AS (15 CFR 700)		14. METHOD OF SOLIC		RFP
15. DELIVER TO		CODE	OAR/OAP		16. ADMINIS	TERED BY				OAD .
1200 Per Mail Cod OAR/OAP	conmental P nnsylvania de: 62101J		279990000000		Willia 1200 E Mail C	um Jeffe	rson C ania A 803R	otection Ag linton Buil venue, N. W	ency ding	-
17a. CONTRACTO		038086125	FACILITY	1		NT WILL BE MAD			CODE D	TP FMC
WOOD ENVIRONMENT & INFRASTRUCTURE SOLUTIONS, INC. Attn: JOSEPH FARRELL 751 Arbor Way Ste 180 Blue Bell PA 194221972  (b)(4)  TELEPHONE NO.					RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711					
19.			20.		IS CHE	CKED	SEE ADDEN	23.		24.
ITEM NO.		SCHEDUL	LE OF SUPPLIES/S	ERVICES		QUANTITY	UNIT	UNIT PRICE		AMOUNT
	DUNS Number: 038086125 Title: Tribal Base Operation of the Networ  This task order is issued in accordance wi Order Ordering Procedures and hereby incorthe base contract terms and conditions by reference. The effective date for performa commence is July 9, 2019.  The Contractor shall perform in accordance the Attachment A Statement of Work (4 page (Use Reverse and/or Attach Additional Sheets as Necessary)				th Task porates nce to with	5				
25. ACCOUNTI	ING AND APPROPRI	ATION DATA					26.	TOTAL AWARD AMO		vt. Use Only)
See Schedule								\$157,80	3.93	
				52.212-4. FAR 52.212-3 A CE FAR 52.212-4. FAR 52.			ED. ADD ADDENDA	ENDA	□ ARE	<ul><li>□ ARE NOT ATTACHED.</li><li>☒ ARE NOT ATTACHED.</li></ul>
28. CONTRACTOR IS REQUIRED TO SIGN THIS DOCUMENT AND RETURN COPIES TO ISSUING OFFICE. CONTRACTOR AGREES TO FURNISH AND DELIVER ALL ITEMS SET FORTH OR OTHERWISE IDENTIFIED ABOVE AND ON ANY ADDITIONAL SHEETS SUBJECT TO THE TERMS AND CONDITIONS SPECIFIED.  30a. SIGNATURE OF OFFEROR/CONTRACTOR				AND DELIVER		HEREIN, IS A	ANY ADDIT	. YOUR OFF IONS OR CHANGES AS TO ITEMS: NATURE OF CONTRACT	WHICH ARE	
					1990	eri Jak		EL FOTROI S:GNATU		
30b. NAME ANI	D TITLE OF SIGNER	t (Type or print)		80c. DATE SIGNED	31b. NAM			FICER (Type or print)		31c. DATE SIGNED 07/02/2019

19. ITEM NO.		20. SCHEDULE OF SUPPLIES	S/SERVICES			21. QUANTITY	22. UNIT	23. UNIT PI		24. AMOUNT
	the accepte	ed technical propo	sal and	l cost esti	mate					
	dated June	11, 2019 (6 pages	) in th	ne amount o	f					
	\$157,803.9	3.								
	This is a '	Time-and-Materials	(T&M)	task order						
	with a tota	al ceiling price c	f \$157,	803.93, wh	ich					
	the Contra	ctor is not author	ized to	exceed. T	he					
	Contractor	exceeds at its ow	n risk.							
	The total	obligated/funded o	eiling	amount for						
	this order	is currently \$25,	000.00.	This orde	r is					
	incremental	lly funded as deta	iled in	Attachmen	t B					
	Summary of	Amounts and Ceili	ngs and	l Attachmen	t B					
	is hereby	incorporated (1 pa	ige).							
	Contracting	g Officer's Repres	entativ	re (COR) fo	r					
	this task		CIICACIV	(001() 10	_					
		chalski, (202) 343	-9882,							
		Melissa@epa.gov	•							
	Alternate (	COR:								
	Macy Taylo:	r, (202) 343-9183,	Macy.T	aylor@epa.	gov					
	The service	es of this order a	re for	severable.						
	TOCOR: Mel	issa Puchalski								
	Period of 1	Performance: 07/09	/2019 t	07/08/20	20					
0001	Tribal Bass	e Operations								
0001		o oporacióno								
	Continued									
32a. QUANTIT	TY IN COLUMN 21 HAS	S BEEN								
RECEIV		ar biggermannes without		ORMS TO THE CON	ITRACT, E	EXCEPT AS I	NOTE	D: _		
32b. SIGNATU	JRE OF AUTHORIZED	GOVERNMENT REPRESENTATIV	E ;	32c. DATE	32d. PRII	NTED NAME	AND T	TITLE OF AUTH	ORIZED G	OVERNMENT REPRESENTATIVE
32e. MAILING	ADDRESS OF AUTHO	RIZED GOVERNMENT REPRESE	NTATIVE		32f. TELE	2f. TELEPHONE NUMBER OF AUTHORIZED GOVERNMENT REPRESENTATIVE				NMENT REPRESENTATIVE
					32g. E-M	AIL OF AUTH	IORIZE	ED GOVERNM	ENT REPRE	ESENTATIVE
Very marriage vaccination			ī							T
33. SHIP NUMBER 34. VOUCHER NUMBER 35. AMOUNT V		- 1000 A	36. PAYM	MENT				37. CHECK NUMBER		
			Col	MPLETE		PARTIAL [	FINAL			
PARTIAL   FINAL   39. S/R VOUCHER NUMBER 40. PAID BY										
		CORRECT AND PROPER FOR PAY		DATE	42a. R	ECEIVED BY	' (Print	יו		
410. SIGNATU	41b. SIGNATURE AND TITLE OF CERTIFYING OFFICER  41c. DATE  42b.				42b. R	42b. RECEIVED AT (Location)				
					42c. D/	ATE REC'D (	YY/MN	1/DD)	42d. TOTA	L CONTAINERS

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CONTINUATION SHEET	EP-W-16-015/68HERH19F0244	3	3

NAME OF OFFEROR OR CONTRACTOR

TEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Accounting Info:				
	19-20-C-58D5-000A45-2505-1958DC9035-001 BFY: 19				
	EFY: 20 Fund: C Budget Org: 58D5 Program (PRC): 000A45 Budget (BOC): 2505 DCN - Line ID: 1958DC9035-001				
	Funding Flag: Complete				
	Funded: \$25,000.00				

## ATTACHMENT A **Statement of Work**

Title: Tribal Base Operation of the Network (3004)

Wood E&IS, Inc. Contractor:

Contract #: EP-W-16-015

Task Order #: 68HERH19F0244

**Period of Performance:** 7/9/2019 to 7/8/2020

# **EPA Key Personnel**

## Task Order Project Officer (TOPO)/Contract Level Project Officer (PO):

Melissa Puchalski Clean Air Markets Division (OAP/OAR/CAMD) 1200 Pennsylvania Ave., NW Mail Code 6204M Washington, DC 20460 phone: (202) 343-9882

email: puchalski.melissa@epa.gov

#### **Alternate TOPO:**

Taylor Macy Clean Air Markets Division (OAP/OAR/CAMD) 1200 Pennsylvania Ave., NW Mail Code 6204M Washington, DC 20460 phone: (202) 343-9183 email: macy.taylor@epa.gov

# **Contracting Officer (CO):**

Mike Fox **Contracting Officer** Administrative Contract Service Center 1200 Pennsylvania Ave N.W. Mail Code 3803R Washington DC 20460

phone: (202) 564-2550 email: fox.michael@epa.gov

#### STATEMENT OF WORK

#### I. INTRODUCTION

The Clean Air Status and Trends Network (CASTNET) is a long-term environmental monitoring network that measures changes in ambient air quality and assesses atmospheric deposition over broad geographic regions of the U.S. (<a href="https://www.epa.gov/castnet">https://www.epa.gov/castnet</a>). Operating since 1987, CASTNET has evolved into a robust regional monitoring program which currently consists of approximately 95 monitoring stations nationwide. The Environmental Protection Agency (EPA) coordinates the operation of the network in cooperation with numerous federal, tribal, state and local partners.

The primary monitoring objectives of CASTNET are to:

- Provide high quality data on atmospheric deposition, rural ground level ozone and other forms of atmospheric pollution;
- Support the primary and secondary ozone NAAQS and provide data on NAAQS compliance in rural areas;
- Monitor the status and trends in regional air quality and atmospheric deposition;
- Assess and report on geographic patterns and long-term, temporal trends in ambient air pollution and atmospheric deposition;
- Improve our understanding of PM and ozone formation;
- Validate and improve atmospheric models;
- Provide data for health-based research and epidemiology studies;
- Assess the effectiveness of EPA's emission reduction programs; and
- Support science and ecosystem studies.

CASTNET sites measure weekly average concentrations of sulfate (SO<sub>4</sub><sup>2-</sup>), nitrate (NO<sub>3</sub><sup>-</sup>), ammonium (NH<sub>4</sub><sup>+</sup>), sulfur dioxide (SO<sub>2</sub>), nitric acid (HNO<sub>3</sub>), chloride (Cl<sup>-</sup>) and the base cations (Na<sup>+</sup>, K<sup>+</sup>, Mg<sup>2+</sup>and Ca<sup>2+</sup>) using a 3-stage filter pack. In addition, each site may make ancillary measurements, including hourly ozone (O<sub>3</sub>), hourly meteorology, ammonia (NH<sub>3</sub>) gas using passive devices, and trace-level gases. Trace-level gas monitors include reactive oxidized nitrogen (NOy), nitric oxide (NO), sulfur dioxide (SO<sub>2</sub>) and carbon monoxide (CO). CASTNET O<sub>3</sub>, meteorological, and trace gas measurements follow the requirements in the Code of Federal Regulations (CFR) and EPA's Quality Assurance Handbook.

### II. PURPOSE

The primary purpose of this task order is to provide for routine activities and provisions associated with operating the CASTNET base program at Tribal monitoring sites. All tasks shall be performed in accordance with the contract's Statement of Work.

Tasks performed under this task order will cover the operation of all CASTNET tribal monitoring sites, excluding all sites covered under Task Order 3003. See Table 1 for a list of tribal sites covered under this task order.

Table 1 Task Order 3004 Tribal Sites

Site ID	State	Tribal Affiliation
ALC188	Texas	Alabama-Coushatta
CHE185	Oklahoma	Cherokee Nation

KIC003	Kansas	Kickapoo Tribe
NPT006	Idaho	Nez Perce Tribe
RED004	Minnesota	Red Lake Band of Chippewa
		Indians
SAN189	Nebraska	Santee Sioux

#### III. CONTRACT LEVEL STATEMENT OF WORK REFERENCE

The tasks to be performed under this task order are consistent with the activities authorized in Tasks 2 through 5, 7, 14 and 16 from the contract's Statement of Work.

#### IV. TECHNICAL DIRECTION

### 1. Prepare a Technical Proposal and Cost Estimate

The Contractor shall prepare a Task Order Technical Proposal and Cost Estimate (TP&CE) in accordance with the terms and conditions of contract clauses B.1 entitled Fixed Rates for Services – Indefinite delivery/Indefinite quantity and submit to EPA. The TP&CE shall be delivered within 10 days after the issuance of the task order SOW.

Quality assurance reviews and management performance reviews shall be executed to ensure the requirements are being met in the contractor's SOW and technical proposal including reviews of financial management activities, deliverables and technical services.

# 2. Base Operations

The contractor shall perform the tasks and subtasks listed in the SOW for Task Order 3004 as delineated in the CASTNET V contract SOW and the contractor's technical proposal. Descriptions of the technical approach and methods are found in the CASTNET Quality Assurance Project Plan (QAPP) v 9.1 and the technical proposal. The number of applicable sites, units and estimated hours for the Tasks, as described in the contract's SOW, that shall be delivered are as follows:

Table 2 Task Order 3004 Task Summary

Task	DESCRIPTION	SITES	UNITS	HOURS
2	Dry deposition filter pack operation with site operator	1	12	70
3	Dry deposition filter pack operation without site operator	5	60	349
4	Ozone monitoring (40 CFR Part 58 protocol) with site operator	1	12	70
5	Ozone monitoring (40 CFR Part 58 protocol) without site operator	2	24	140
7	Meteorology measurements without site operator	1	12	6
14	Filter media analysis (including preparation, field samples, and laboratory blanks)	6	355	0
16	Operation of an NADP AMoN site co-located with CASTNET filter pack sampling	1	12	2
	TOTAL HOURS			636

Attachment 1 describes which tasks and CLINs shall be performed at each site. The table above is a summary of Attachment 1. The table above shows SITE/YEAR as the number of CLINs ordered for that site per *12-months*. The UNIT is the number of site-months ordered for each CLIN.

#### V. DELIVERABLES AND SCHEDULE

# 1. Proposal

The contractor shall deliver a Task Order Technical and Cost Proposal in accordance with clause B.7 Task Order Ordering Procedures of the contract. The proposal shall be submitted 10 days after receipt of the SOW.

# 2. Monthly Progress Report

The contractor shall prepare and submit a monthly progress report by the 15<sup>th</sup> of each month summarizing the progress made, issues encountered or expected, work planned for the next reporting period and costs. These reports shall comply with contract clauses F.5 Reports of Work and F.1 Monthly Progress Report. Reports shall be delivered electronically.

### 3. Additional Deliverables

The contractor shall deliver the following reports electronically (as required under Task Order 3003) and will include data from the Tribal monitoring sites under this Task Order. Duplicate reports shall not be submitted.

#### **Distribution of Deliverables:**

Addressee	Copies
EPA Contracting Officer (Mike Fox)	1
EPA Project Officer (Melissa Puchalski)	1
EPA Alternate (Taylor Macy)	1

### Attachment 1. Matrix of CLINs by CASTNET Site ID

OITE ID							
SITE_ID	2	3	4	5	7	14	16
ALC188	12		12			59.11	12
CHE185		12			12	59.11	
KIC003		12				59.11	
NPT006		12		12		59.11	
RED004		12				59.11	
<b>SAN189</b>		12		12		59.11	
total	12	60	12	24	12	355	12
counts	1	5	1	2	1	6	1

EP-W-16-015

TO#: 68HERH19F0254

Project#: 3004

# ATTACHMENT B SUMMARY OF TASK ORDER OBLIGATION/CEILING AMOUNTS

Total Funding/Obligation Amounts					
Period	Previous Amount	This Action	Amount		
Base Period	-	-	\$25,000.00		
Total	-	-	\$25,000.00		

Total Task Order Ceiling					
Period	Previous Amount	This Action	Amount		
Base Period	-	-	\$157,803.93		
Total	-	-	\$157,803.93		

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE PAGE OF PAGES				
2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE	DATE	4. REQUISI	TION/PURCHASE REQ. NO.	5. PROJECT	∠ ΓΝΟ. (If applicable)	
P00001	See Bloc	ck 16C	PR-OAR	-20-00024	3004		
6. ISSUED BY CODE	HQAD		7. ADMINI	STERED BY (If other than Item 6)	CODE		
HQAD US Environmental Protection William Jefferson Clinton Bu 1200 Pennsylvania Avenue, N. Mail Code: 3803R	uilding						
Washington DC 20460  8. NAME AND ADDRESS OF CONTRACTOR (No., street	t sounty State and	7/D Code)		ENDMENT OF SOLICITATION NO			
WOOD ENVIRONMENT & INFRASTRUCTU Attn: JOSEPH FARRELL 751 Arbor Way Ste 180 Blue Bell PA 194221972		ONS, INC.	9B. DA <sup>*</sup> ** 10A. M  EP-W  68HE	TED (SEE ITEM 11)  DDIFICATION OF CONTRACT/ORDEF 1-16-015  RH19F0244	R NO.		
CODE 038086125	FACILITY CODE	=		ATED (SEE ITEM 13)			
ODE 038086125		EM ONLY APPLIES TO AN		02/2019			
separate letter or electronic communication which incl RECEIVED AT THE PLACE DESIGNATED FOR THE OFFER. If by virtue of this amendment you desire to each letter or electronic communication makes referee  12. ACCOUNTING AND APPROPRIATION DATA (If req	RECEIPT OF OF change an offer a nce to the solicitar	FFERS PRIOR TO THE F Ilready submitted , such c tion and this amendment,	HOUR AND change may	DATE SPECIFIED MAY RESULT IN RE be made by letter or electronic commu sived prior to the opening hour and date	EJECTION OF Your inication, provided	OUR d	
See Schedule					,	2.000	
A. THIS CHANGE ORDER IS ISSUED I ORDER NO. IN ITEM 10A.  B. THE ABOVE NUMBERED CONTRAC appropriation data, etc.) SET FORTI	CT/ORDER IS MO H IN ITEM 14, PU	ODIFIED TO REFLECT TO RSUANT TO THE AUTH	THE ADMINI HORITY OF I	STRATIVE CHANGES (such as change FAR 43.103(b).			
D. OTHER (Specify type of modification	•						
X EPA-B-32-103 - LIMIT	TATION OF	GOVERNMENT'S	S OBLI	GATION			
E. IMPORTANT: Contractor ☑ is not  14. DESCRIPTION OF AMENDMENT/MODIFICATION  DUNS Number: 038086125		100	-	copies to the issu ation/contract subject matter where fea	P)		
The purpose of this modifica	tion is t	to add increm	mental	funding in the amou	ınt of \$6	0,000.00	
to this task order. An addit	ional \$72	2,803.93 is n	needed	to fully-fund this	task ord	er.	
TOCOR: Melissa Puchalski							
LIST OF CHANGES:	2011 040						
Reason for Modification: Fun Obligated Amount for this Mo New Total Obligated Amount f Incremental Funded Amount ch	dification or this A	on: \$60,000.0					
\$25,000.00 to \$85,000.00	angea.	TIOM					
CHANGES FOR LINE ITEM NUMBER	: 1						
Continued							
Except as provided herein, all terms and conditions of the	ne document refer	renced in Item 9 A or 10A	A. as heretof	ore changed, remains unchanged and	in full force and c	effect.	
15A. NAME AND TITLE OF SIGNER (Type or print)	document felel		16A. NAM	E AND TITLE OF CONTRACTING OF			
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED	16B. UNIT	ED STATES OF AMERICA	EL FOTRONIC S:GNATURE		
(Signature of parson authorized to sign)				(Signature of Contracting Officer)		10/24/2019	

 CONTINUATION SHEET
 REFERENCE NO. OF DOCUMENT BEING CONTINUED
 PAGE
 OF

 EP-W-16-015/68HERH19F0244/P00001
 2
 2

NAME OF OFFEROR OR CONTRACTOR

ITEM NO.	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Obligated Amount for this Modification: \$60,000.00 Incremental Funded Amount changed from \$25,000.00 to \$85,000.00				
	NEW ACCOUNTING CODE ADDED: Account code:				
	20-21-C-58D5-000A45-2505-2058DC0002-001				
	Beginning FiscalYear 20 Ending Fiscal Year 21				
	Fund (Appropriation) C				
	Budget Organization 58D5				
	Program (PRC) 000A45				
	Budget (BOC) 2505				
	Job # (Site/Project) Cost Organization				
	DCN-LineID 2058DC0002-001				
	Amount: \$60,000.00				
	Subject To Funding: N				
	Payment Address:				
	RTP Finance Center US Environmental Protection Agency				
	RTP-Finance Center (AA216-01)				
	109 TW Alexander Drive				
	www2.epa.gov/financial/contracts				
	Durham NC 27711				
	Period of Performance: 07/09/2019 to 07/08/2020				
			ı	I	ı

EP-W-16-015

TO#: 68HERH19F0244 (3004) Modification#: P00001

# ATTACHMENT B SUMMARY OF TASK ORDER OBLIGATION/CEILING AMOUNTS

Total Funding/Obligation Amounts					
Period	Previous Amount	This Action	Amount		
Base Period	\$25,000.00	\$60,000.00	\$85,000.00		
Total	\$25,000.00	\$60,000.00	\$85,000.00		

Total Task Order Ceiling					
Period	Previous Amount	This Action	Amount		
Base Period	-	-	\$157,803.93		
Total	-	-	\$157,803.93		